



# Purigo 5S

## Clear Concrete Floor Dustproofer and Hardener

### Technical Data Sheet

#### DESCRIPTION

**Purigo 5S** is a one component liquid surface hardener and dustproofer based on "activated" sodium silicate, which reacts chemically to produce a hard, dust-free finish.

#### USES

- \* Stabilising surface of new and old concrete floors.
- \* Prevents dusting.

#### ADVANTAGES

- \* Single pack ready to use.
- \* Easy to apply.
- \* Dust free finish.
- \* Good penetration.
- \* Hardens concrete surface.
- \* Economic.
- \* Reduces permeability.
- \* Improves weathering.
- \* Improves abrasion resistance.

#### Technical Data (typical)

<b>Colour:</b>	Clear/transparent
<b>Density (SG):</b>	Approx 1.0 kg/litre
<b>Coating system:</b>	2 - 3 coats
<b>Material consumption:</b>	Approx 0.15 - 0.25 kg/m <sup>2</sup> per coat. Depending on concrete permeability.
<b>Waiting time between coats:</b>	Minimum of 24 hours

All above values are approximate.



## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

## APPLICATION

**Purigo 5S** is ready to use straight from the container. Shake container before use. Apply evenly by brush or non-atomising spray. Allow to penetrate concrete before applying subsequent coats.

After final application, allow 24 hours to penetrate, then wash floor with clean water.

## IMPORTANT CONSIDERATIONS

- \* Do not use on natural stone.
- \* Do not allow material to puddle on surface.
- \* **Purigo 5S** does not make good poor disintegrating concrete.

## PACKAGING

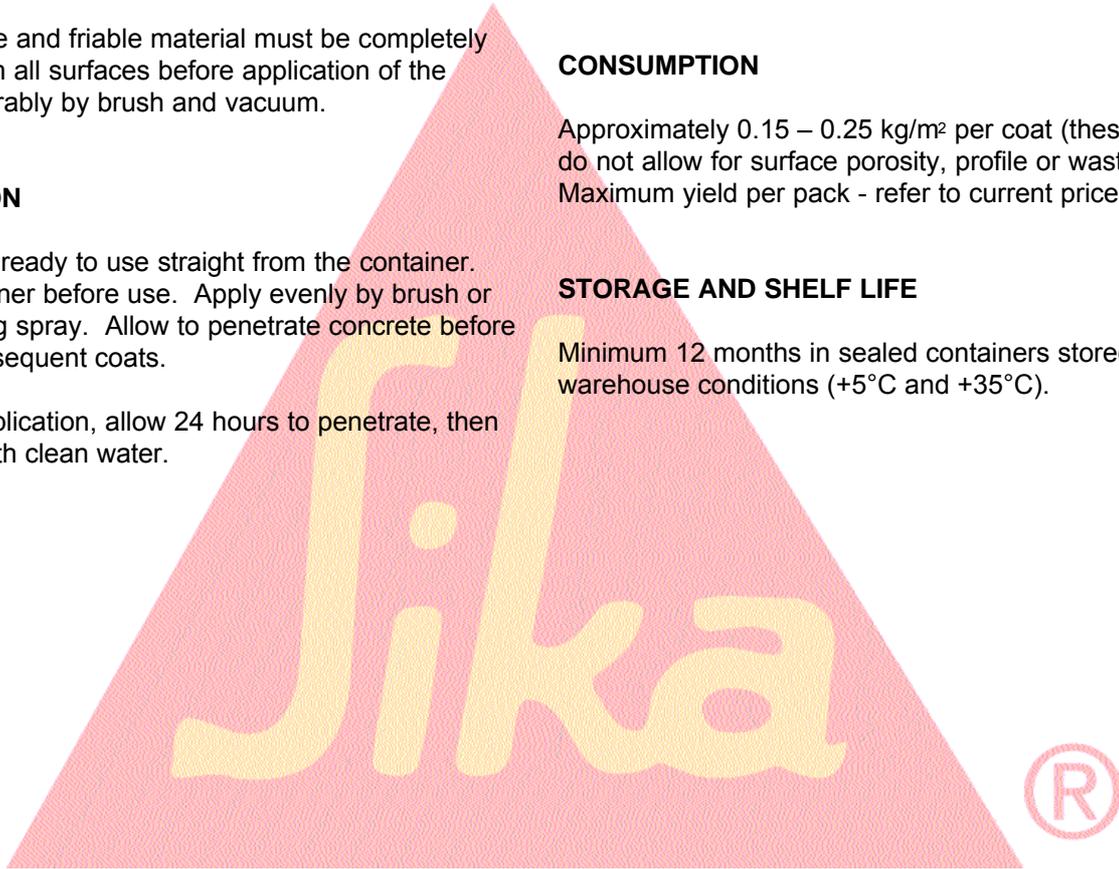
Refer to latest price list.

## CONSUMPTION

Approximately 0.15 – 0.25 kg/m<sup>2</sup> per coat (these figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 12 months in sealed containers stored in dry warehouse conditions (+5°C and +35°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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**Please consult our Technical Sales Department for further information**

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# Sikafloor<sup>®</sup> EpoCem<sup>®</sup> Module

## Water Based Primer

### Technical Data Sheet

#### DESCRIPTION

Sikafloor **EpoCem Module** is a clear two component, solvent free waterbased epoxy resin dispersion.

#### USES

- \* As a primer for **Sikafloor 81/82 EpoCem**.
- \* A resin binder for all **EpoCem** products
- \* Seals concrete and screeds.

#### ADVANTAGES

- \* Excellent primer coat.
- \* Easy to use.
- \* Low viscosity.
- \* Waterbased.
- \* Reduces permeability.
- \* Reduces dusting.
- \* Economical.
- \* Pre-dosed units.

#### FLOOR COATING SYSTEM:

**Primer coat:** 1 - 2 x **Sikafloor EpoCem Module**.

**Seal coat:** 1 - 3 x **Sikafloor EpoCem Module**.

**Material consumption:** Approx 0.2 - 0.3 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Transparent.
<b>Density (SG):</b>	Approx 1.0 kg/litre
<b>Application temperatures &amp; humidity conditions:</b>	+8°C min, +30°C max (Substrate and ambient) RH 80% max
<b>Substrate M.C. &amp; RH:</b>	≤12% by Wt or ≤95% RH
<b>Additional application information:</b>	+20°C
<b>Pot life:</b>	45 mins End of pot life not noticeable
<b>Waiting time between coats:</b>	
min	12 hrs
max	36 hrs

All above values are approximate.



## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, shake component A (white liquid) then pour into component B and shake for 30 seconds.

## APPLICATION

Prior to application, confirm substrate moisture content and RH.

Pour **Sikafloor EpoCem Module** onto floor and apply evenly with brush or roller.

## IMPORTANT NOTES

- ✳ Do not apply **Sikafloor EpoCem Module** on substrates in which significant vapour pressure may occur.
- ✳ Always ensure good ventilation when using **Sikafloor Epocem Module** in a confined space.
- ✳ Freshly applied **Sikafloor EpoCem Module** should be protected from damp, condensation and water for at least 24 hours.
- ✳ Avoid puddles on surface. Remove excess.
- ✳ Never add water to this product.
- ✳ **Sikafloor EpoCem Module** does not make good poor disintegrating concrete.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.2 - 0.3 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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**Epo Cem**<sup>®</sup>

# SikaTop<sup>®</sup> Armatec 110

## EpoCem<sup>®</sup>

### Resin Based Steel Reinforcement Primer and Bonding Bridge

#### Technical Data Sheet

##### DESCRIPTION

**SikaTop Armatec 110 EpoCem** is a three component cement modified epoxy resin based anti-corrosive product containing corrosion inhibitors. It has been specifically formulated as a reinforcement primer and bonding bridge for concrete repair mortars.

##### USES

**SikaTop 110 EpoCem** may be used to bond concrete repair mortars, screeds or cementitious overlays to existing cementitious substrates. The material is also used as a steel corrosion primer to protect reinforcement in areas of low cover and in the presence of chlorides.

##### ADVANTAGES

- \* Excellent adhesion to both steel and concrete.
- \* Contains corrosion inhibitors.
- \* Additional barrier to the passage of water and chlorides.
- \* Excellent bonding bridge for cement or epoxy based repair mortars.
- \* High strength, unaffected by moisture when cured.
- \* Spray, brush or roller application.
- \* Non-flammable.
- \* Solvent free.
- \* Long open times.
- \* Suitable for drinking water contact.

#### Technical Data (typical)

<b>Mixed colour:</b>	Grey
<b>Mixed density:</b>	Approx. 2.0 kg/litre
<b>Volume solids:</b>	100%
<b>Application temperatures:</b>	+5°C minimum and rising +30°C maximum (Substrate and ambient)
<b>COATING SYSTEM:</b>	
<b>Steel reinforcement primer:</b>	2 x 1 mm <b>SikaTop Armatec 110 EpoCem</b>
<b>Bonding Bridge:</b>	1 - 2 x <b>SikaTop Armatec 110 EpoCem</b>
<b>Bond strengths:</b>	Concrete: 1 - 3 N/mm <sup>2</sup> Steel: 1 - 2 N/mm <sup>2</sup>
<b>Index of resistance to diffusion of water vapour:</b> (μH <sub>2</sub> O)	100
<b>Index of resistance to diffusion of carbon dioxide:</b> (μCO <sub>2</sub> )	14,000
<b>Pot life:</b> (23°C)	90 - 120 minutes (Subject to temperature)
<b>Waiting times between coats:</b>	Minimum 2 hours Maximum 16 hours
<b>Open times of bonding bridge for repair mortar application (hrs):</b>	+5°C    +10°C    +20°C    +30°C 20        16        12        8

Approved for potable water contact.  
Details available on request.

All above values are approximate.

## CONCRETE SUBSTRATE PREPARATION

Breakout and remove all concrete designated as being defective, loose and unsound, using suitable mechanical equipment.

Ensure sufficient concrete is removed from around reinforcement to allow priming and compaction of the repair material.

At the repair locations, feather edging should be avoided. The edges should be square cut to at least the recommended minimum application thickness of the repair material. Where a saw cut is employed, the substrate should be roughened mechanically to provide a 'key' between the repair mortar and substrate.

## STEEL REINFORCEMENT

All exposed reinforcement should be thoroughly prepared to clean, bright metal, using abrasive blast cleaning or other approved means.

## MIXING

Thoroughly mix component A (resin) and component B (hardener) individually, then mix together with slow speed drill (150 - 300 rpm). Gradually add component C (filler) and mix for a further 3 minutes until a uniform mix has been achieved. Allow to stand for 10 minutes to mature prior to application.

## APPLICATION

Apply by brush to steel/concrete.

### Steel reinforcement primer:

Within 4 hours of preparation of the steel, apply one coat of **SikaTop Armatec 110 EpoCem** to a minimum thickness of 1mm. After the first coat has reached initial set, apply a second coat of **SikaTop Armatec 110 EpoCem** onto the previously coated steel.

If the second coat of **SikaTop Armatec 110 EpoCem** is allowed to dry prior to repair mortar application, then a fresh coat must be applied.

### Bonding bridge:

Before applying the **SikaTop Armatec 110 EpoCem** as a bonding bridge, all surfaces must be thoroughly prewetted to a saturated surface dry condition.

The **SikaTop Armatec 110 EpoCem** is then applied by brush to the concrete substrate.

## IMPORTANT CONSIDERATIONS

- \* If a barrier to chlorides is required, then 2 coats should be applied to the concrete substrate.
- \* Care should be taken to ensure continuous application behind the reinforcement bars.
- \* When used as a bonding bridge, the "grab" properties of the **SikaTop Armatec 110 EpoCem** will reduce if it dries out before the repair mortar application. Repeat application if necessary.
- \* Do not part mix components.
- \* Under no circumstances should water or solvent be added to the mix.
- \* Always apply two coats to the steel reinforcement.
- \* The bonding bridge application also forms the second coat for the reinforcement primer.

## CLEANING EQUIPMENT

Use clean water. Hardened material may only be removed mechanically.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Steel reinforcement primer:    Approx 2.0 kg/m<sup>2</sup> per coat  
Bonding bridge:                Approx 2.0 - 4.0 kg/m<sup>2</sup>  
Excluding allowances for loss wastage, surface profile and porosity.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+10°C - +30°C).



### Handling Precautions

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# SikaDur® 32

## High Performance Epoxy Resin Bonding Agent

### Technical Data Sheet

#### DESCRIPTION

**SikaDur 32** is a two component, solvent free, cold cured epoxy bonding agent.

#### USES

Bonds all types of construction materials such as timber, brick, steel, iron, glass and stoneware.

- \* Damp-proof membrane.
- \* Bonding bridge.
- \* Bearing pads to concrete.
- \* Crack injection 5 - 10 mm.

#### ADVANTAGES

- \* Colour coded components to ensure correct mixing.
- \* Excellent adhesion even in damp conditions.
- \* Easy to apply.
- \* Unaffected by moisture.
- \* Workable at low temperatures.
- \* Solvent free.
- \* Damp-proof membrane beneath **SikaTop® 77** or **SikaCem® 810** screed.

#### Technical Data (typical)

**Colour:** Grey (mixed)  
Base - white  
Hardener - black

**Density:** 1.4 kg/litre

**Application temperatures:** +5°C min - +30°C max  
(substrate and ambient)

**Application thickness:** 0.5 mm minimum  
1.0 mm maximum

#### MECHANICAL PROPERTIES

**Compressive strength:** 70 N/mm<sup>2</sup>

**Flexural strength:** 35 N/mm<sup>2</sup>

**Tensile strength:** 20 N/mm<sup>2</sup>

**Bond strength:** Concrete: typically 2.0 - 3.0 N/mm<sup>2</sup>  
(concrete failure)  
Steel: typically 18 N/mm<sup>2</sup>  
(epoxy failure)

**Shrinkage:** Negligible

#### Pot life/open time:

Temperature	Pot life (min)	Open time (hrs)
0°C	-	-
5°C	120	>3
10°C	60	>3
20°C	25	3
30°C	15	1

All above values are approximate.

## SURFACE PREPARATION

### Concrete/Brickwork/Mortar Substrates

Surfaces must be sound, clean, free from frost, oils, grease, standing water and all loosely adhering particles and other surface contaminants.  
Cement laitance must be removed

Mechanically prepare surfaces by suitable approved techniques such as needle gunning, scabbling, bush hammering, water/grit blasting etc  
Concrete must be at least 3-6 weeks old.  
Feather edging should be avoided. The edges should be square cut to at least the recommended minimum application thickness of the product.

### Steel Substrate

Prepare surfaces by removing old coatings, rust products, grease, oil etc by suitable mechanical equipment to a bright metal finish. Apply **SikaDur 32** within 4 hours or protect reinforcement with **Sika® Armatec 110 EpoCem®**.

## MIXING

Stir component A prior to mixing (resin). The whole of component A (resin) should be mixed with the whole of component B (hardener) for a minimum of 2 minutes using a slow speed electric stirrer (300-600 rpm) and suitable spiral or paddle mixer until a uniform mix and colour is achieved.

## APPLICATION

Apply directly to the prepared substrate in a thin layer by brush or roller. Pour new concrete or apply mortar while material is tacky. If **SikaDur 32** dries before application reapply. When used as an impervious barrier apply a minimum of two coats.

## IMPORTANT CONSIDERATIONS

- ✱ At higher temperatures pot life will be shortened.
- ✱ At lower temperatures the material will become more difficult to apply and take longer to harden.
- ✱ Wear suitable protective clothing, gloves and eye protection.
- ✱ Do not add solvent to the mix.
- ✱ Always ensure good ventilation when using in a confined space.
- ✱ **Thinner C** is flammable. NO NAKED FLAMES
- ✱ Do not mix additional fillers and solvents.

## CLEANING

All tools should be cleaned with **Thinner C** immediately after use. Hardened material must be removed mechanically.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

0.7 kg/m<sup>2</sup> @ 0.5 mm thickness

Excluding allowances for loss wastage surface profile and porosity.

## STORAGE AND SHELF LIFE

Minimum 12 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

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# Sikafloor® 619

## Clear Low Viscosity Epoxy Impregnation

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 619** is a two component solvented clear low viscosity epoxy based impregnation and sealer for reducing dusting and surface hardening of concrete floors.

#### USES

- \* Factories.
- \* Garages.
- \* Warehouses.
- \* Car Parks.
- \* Storage areas.
- \* Plant rooms.
- \* Manufacturing areas.

#### ADVANTAGES

- \* Good abrasion resistance.
- \* Prevents dusting.
- \* Improved chemical resistance.
- \* Surface hardens concrete.
- \* Reduces permeability.
- \* Excellent pore sealer.
- \* Easy to use.

#### FLOOR COATING SYSTEM:

**Impregnation:** 2 - 3 x **Sikafloor 619**.

**Material consumption:** Approx 0.2 - 0.4 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Clear/Pale Straw
<b>Density (SG):</b>	Approx 0.95 kg/litre
<b>Application temperatures &amp; humidity conditions:</b>	+5°C min, +35°C max (Substrate and ambient) RH 90% max
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH
<b>Additional application information:</b>	
<b>Pot life:</b>	12 hrs @ 15°C
<b>Waiting time between coats:</b>	
min	12 hrs
max	24 hrs
<b>Final drying times:</b>	
Foot traffic:	12 hrs
Lightly serviceable:	3 days
Fully serviceable:	5 - 7 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container for one hour.

## APPLICATION

Prior to application confirm substrate moisture content and RH.

Pour **Sikafloor 619** onto concrete substrate and spread evenly with soft brush or squeegee. Alternatively, the material may be sprayed using suitable equipment.

Remove excess puddles and unabsorbed material using squeegee whilst material remains fluid.

## IMPORTANT CONSIDERATIONS

- \* Both **Sikafloor 619** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 619** in a confined space.
- \* Freshly applied **Sikafloor 619** should be protected from damp, condensation and water until dry
- \* Avoid puddles on surface.
- \* Paintwork and plastic fittings should be protected.
- \* **Sikafloor 619** cannot make good disintegrated concrete.
- \* Different concrete permeabilities may give patchiness effect. Additional applications may improve situation.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.2 - 0.4 kg/m<sup>2</sup>/coat (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor<sup>®</sup> 155W

## Coloured Waterbased Epoxy Primer

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 155W** is a two component coloured waterbased epoxy primer.

#### USES

- \* Primer for epoxy, PU-epoxy, epoxy-cement floor toppings and coatings.
- \* As a curing membrane/temporary moisture barrier on green concrete in conjunction with water dispersed epoxy coatings (ie **Sikafloor 2530W**).

#### ADVANTAGES

- \* Low viscosity.
- \* Good penetration.
- \* Easy application.
- \* Low odour.
- \* Solvent free.
- \* User friendly.
- \* Long pot life.
- \* Safe to use.
- \* Coloured to aid coverage.

#### FLOOR COATING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 155W**.

**Material consumption:** Approx 0.3 - 0.5 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability.

**Density (SG):** Approx 1.4 kg/litre

**Volume solids:** Approx 56%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by wt or ≤75% RH  
alternatively  
≤12% by wt or ≤95% RH  
When used with **EpoCem**<sup>®</sup> products

**Additional application information:** +20°C

**Pot life:** 90 mins

**Waiting time between coats:**

min 6 hrs  
max 3 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup> ). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application confirm substrate moisture content and RH.

Apply **Sikafloor 155W** by brush or roller and scrub well into substrate.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 155W** on substrates in which significant vapour pressure may occur on impervious top coats.
- \* Always ensure good ventilation when using **Sikafloor 155W** in a confined space.
- \* Freshly applied **Sikafloor 155W** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* For dense concrete first coat may be thinned with water up to 10% by wt.
- \* Low temperatures and/or high humidity will reduce the speed of curing.
- \* Do not use as a temporary moisture barrier unless used with water dispersed **Sikafloor** resins or **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> products.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.3 - 0.5 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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Please consult our Technical Sales Department for further information

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# Sikafloor<sup>®</sup> 156

## Epoxy Primer

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 156** is a two component solvent free, low viscosity epoxy primer.

#### USES

- \* Primer and adhesion promoter for all **Sikafloor** epoxy, polyurthane and PU epoxy floors.
- \* Priming indoor and outdoor areas.
- \* Binder for epoxy mortar screeds.
- \* Bonding Sika epoxy mortars to various substrates.
- \* Scraping mortar.
- \* Crack injection.

#### ADVANTAGES

- \* Low viscosity.
- \* Good penetration.
- \* High mechanical resistance.
- \* Easy application.
- \* Solvent free.
- \* Short waiting times.
- \* Excellent bond strength.
- \* User friendly.

#### FLOOR COATING SYSTEM:

<b>Primer:</b>	1 - 2 x <b>Sikafloor 156</b>
<b>Scraping mortar:</b>	<b>Sikafloor 156</b> + 0.5-1% by wt of <b>Extender T</b> .
<b>Mortar screed:</b>	<b>Sikafloor 156</b> + quartz sand at a ratio of 1:7 to 1:10 by wt.
<b>Material consumption:</b>	Approx 0.3 - 0.5 kg/m <sup>2</sup> per coat as a primer.

#### Technical Data (typical)

<b>Colour:</b>	Yellowish - transparent		
<b>Density (SG):</b>	Approx 1.1 kg/litre unfilled 2.1 - 2.2 kg/litre as screed		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min*, +30°C max (Substrate and ambient) RH 85% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Compressive strength:</b>	Resin 70 N/mm <sup>2</sup> Mortar 90 N/mm <sup>2</sup>		
<b>Flexural strength:</b>	Resin 75 N/mm <sup>2</sup> Mortar 30 N/mm <sup>2</sup>		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 min	30 min	15 min
<b>Waiting time between overcoating: (Solvented products)</b>	min 24 hrs (36) 8 hrs (24) 5 hrs (12) max 4 days (6) 2 days (4) 1 day (2)		
	Ensure tack free before overcoating.		
<b>Final drying times:</b>			
Foot traffic:	24 hrs	12 hrs	6 hrs
Lightly serviceable:	5 days	3 days	2 days
Fully serviceable:	10 days	7 days	5 days

\* Under certain conditions temperatures may be reduced to 5°C. Refer to Sika Limited.

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **SikaFloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. For mortar screed, add quartz sand gradually to mixed components A & B and mix thoroughly until a moist mix is obtained.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **SikaFloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

- i) **Primer:** Apply by brush, roller or squeegee and scrub well into substrate. When maximum waiting times are expected to be exceeded lightly broadcast with kiln dried quartz sand (0.4 - 0.7 mm) @ a maximum of 1.0 kg/m<sup>2</sup>. Remove excess before application of second coat.
- ii) **Mortar screed:** Apply screed wet on wet to tacky **SikaFloor 156** primer and spread with rake or trowel.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **SikaFloor 156** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **SikaFloor 156** in a confined space.
- \* Freshly applied **SikaFloor 156** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* **SikaFloor 156** mortar screed is not suitable for frequent or permanent contact with water unless sealed.
- \* Practical trials should be carried out for mortar screeds to assess suitable aggregate granulometry.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.3 - 0.5 kg/m<sup>2</sup> as primer (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor<sup>®</sup> 157

## Rapid Epoxy Primer

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 157** is a rapid curing two component solvent free, low viscosity epoxy primer.

#### USES

- \* Primer and adhesion promoter for all **Sikafloor** epoxy, polyurethane and PU epoxy floors.
- \* Priming indoor and outdoor areas.
- \* Binder for epoxy mortar screeds.
- \* Bonding Sika epoxy mortars to various substrates.
- \* Scraping mortar.
- \* Binder for broadcast screeds.

#### ADVANTAGES

- \* Low viscosity.
- \* Good penetration.
- \* Easy application.
- \* Solvent free.
- \* Short waiting times at low temperatures.
- \* Excellent bond strength.
- \* User friendly.
- \* Safe to use.
- \* Can allow priming and floor laying in one day.

#### FLOOR COATING SYSTEM:

<b>Primer:</b>	1 - 2 x <b>Sikafloor 157</b>
<b>Scraping mortar:</b>	<b>Sikafloor 157</b> + 0.5-1% by wt of <b>Extender T</b> .
<b>Mortar screed:</b>	<b>Sikafloor 157</b> + quartz sand at a ratio of 1:7 to 1:10 by wt.
<b>Material consumption:</b>	Approx 0.3 - 0.5 kg/m <sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Yellowish - transparent	
<b>Density (SG):</b>	Approx 1.1 kg/litre unfilled 2.1 - 2.2 kg/litre as screed	
<b>Volume solids:</b>	Approx 100%	
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +20°C max (Substrate and ambient) RH 85% max	
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH	
<b>Compressive strength:</b>	Resin 70 N/mm <sup>2</sup> Mortar 90 N/mm <sup>2</sup>	
<b>Flexural strength:</b>	Resin 75 N/mm <sup>2</sup> Mortar 30 N/mm <sup>2</sup>	
<b>Additional application information:</b>	+10°C	+20°C
<b>Pot life:</b>	25 min	12 min
<b>Waiting time between overcoating:</b>	min 12 hrs 4 hrs max 2 days 1 day	
	Ensure tack free before overcoating.	
<b>Final drying times:</b>	Foot traffic: 12 hrs 6 hrs Lightly serviceable: 3 days 2 days Fully serviceable: 7 days 5 days	

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. For mortar screed, add quartz sand gradually to mixed components A & B and mix thoroughly until a moist mix is obtained.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

- i) **Primer:** Apply by brush, roller or squeegee and scrub well into substrate. When maximum waiting times are expected to be exceeded lightly broadcast with kiln dried quartz sand (0.4 - 0.7 mm) @ a maximum of 1.0 kg/m<sup>2</sup>. Remove excess before application of second coat.
- ii) **Mortar screed:** Apply screed wet on wet to tacky **Sikafloor 157** mortar screed primer and spread with rake.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 157** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 157** in a confined space.
- \* Freshly applied **Sikafloor 157** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* **Sikafloor 157** mortar screed is not suitable for frequent or permanent contact with water unless sealed
- \* Practical trials should be carried out for mortar screeds to assess suitable aggregate granulometry.
- \* Do not use as a final seal coat.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.3 - 0.5 kg/m<sup>2</sup> as primer (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor<sup>®</sup> 2530 W

## Water Dispersed Coloured Epoxy Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 2530 W** is a solvent free two component water dispersed coloured epoxy coating. It provides a protective surface treatment for concrete floors and walls exposed to light and medium use.

#### USES

- \* Industrial areas.
- \* Abattoirs.
- \* Car parks.
- \* Water treatment plants.
- \* Workshops.
- \* Food processing areas.
- \* Manufacturing areas.
- \* Laboratories.
- \* Storage areas.
- \* Breweries.
- \* Tunnel walls.
- \* Decontaminable areas.
- \* Tunnel walls.
- \* Cleanrooms.

#### ADVANTAGES

- \* Solvent free.
- \* Vapour permeable.
- \* Excellent carbonation barrier.
- \* Prevents dusting.
- \* Easy to clean.
- \* Low odour.
- \* Quick drying.
- \* Non-flammable.
- \* Water based.

#### FLOOR COATING SYSTEM:

##### Light exposure

Base coat: 1 x **Sikafloor 2530 W**  
Top coat: 1 x **Sikafloor 2530 W**

##### Medium exposure

Base coat: 1 x **Sikafloor 155W**  
Intermediate coat: 1 x **Sikafloor 2530 W**  
Top coat: 1 x **Sikafloor 2530 W**

**Material consumption:** Approx 0.15 - 0.3 kg/m<sup>2</sup> per coat

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.2 kg/litre

**Volume solids:** Approx 55%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 80% max

**Substrate M.C. & RH:** ≤4% by wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Abrasion resistance:** 65 mg (Taber)

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 100°C

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional information)

#### Additional application information:

	+10°C	+20°C	+30°C
<b>Pot life:</b>	2 hrs	1.5 hrs	0.5 hrs
<b>Waiting time between coats:</b>			
min	24 hrs	12 hrs	10 hrs
max	3 days	2 days	2 days
<b>Final drying times:</b>			
Foot traffic:	48 hrs	24 hrs	24 hrs
Lightly serviceable:	5 days	3 days	2 days
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 2530 W** by brush or roller or spray. Observe the waiting time between coats.

Coats that exceed the maximum waiting time can be recoated after roughening surface with fine sandpaper to remove gloss.

The first coat can be thinned with clean water (5-10%) to aid penetration with dense concretes.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 2530 W** on substrates in which significant vapour pressure may occur.
- \* Always ensure good ventilation when using **Sikafloor 2530 W** in a confined space.
- \* Quartz silica sand can be sprinkled on to **Sikafloor 2530 W** then sealed to form a slip resistant surface
- \* Freshly applied **Sikafloor 2530 W** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* In low temperature (<13°C) ensure adequate ventilation otherwise curing may be affected.
- \* **Sikafloor 2530 W** should not be applied to surfaces which have been treated with "water repellent" chemicals.
- \* When applying onto very absorbent surfaces it is recommended to seal surface with **Sikafloor 155W** before applying **Sikafloor 2530 W**.

## CLEANING

Use soap and water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Approximately 0.15 - 0.3 kg/m<sup>2</sup> (These figures do not allow for surface texture or wastage).

Maximum yield per pack - see current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor® 2420

## Clear Epoxy Coating and Impregnation

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 2420** is a two component solvented clear epoxy coating and impregnation. It provides a protective surface treatment for concrete floors and walls.

#### USES

- \* Industrial areas.
- \* Abattoirs.
- \* Car parks.
- \* Workshops.
- \* Food processing areas.
- \* Manufacturing areas.
- \* Laboratories.
- \* Storage areas.
- \* Breweries.
- \* Impregnation for dense concrete substrates.

#### ADVANTAGES

- \* Good abrasion resistance.
- \* Excellent pore sealer.
- \* Vapour proof.
- \* Waterproof.
- \* Increased chemical resistance.
- \* Prevents dusting.
- \* Easy to clean.
- \* Can be used externally.
- \* Quick drying.

#### FLOOR COATING SYSTEM:

##### Light exposure

Base coat: 1 x **Sikafloor 2420**  
Top coat: 1 x **Sikafloor 2420**

##### Medium exposure

Base coat: 1 x **Sikafloor 2420**  
Intermediate coat: 1 x **Sikafloor 2420**  
Top coat: 1 x **Sikafloor 2420**

**Floor Impregnation:** 1 - 2 x **Sikafloor 2420** thinned with 50% by wt **Thinner C**.

**Material consumption:** Approx 0.15 - 0.20 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Transparent
<b>Density (SG):</b>	Approx 0.93 kg/litre
<b>Volume solids:</b>	Approx 27%
<b>Application temperatures &amp; humidity conditions:</b>	+5°C min, +30°C max (Substrate and ambient) RH 80% max
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH
<b>MECHANICAL PROPERTIES:</b>	
<b>Abrasion resistance: (Taber)</b>	88 mg
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 120°C
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information)
<b>Additional application information:</b>	+10°C +20°C +30°C
<b>Pot life:</b>	10 hrs 8 hrs 4 hrs
<b>Waiting time between coats:</b>	
min	24 hrs 12 hrs 10 hrs
max	2 days 2 days 2 days
<b>Final drying times:</b>	
Foot traffic:	30 hrs 24 hrs 20 hrs
Lightly serviceable:	5 days 3 days 2 days
Fully serviceable:	10 days 7 days 5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

It is recommended that the base coat of **Sikafloor 2420** is applied by brush. Observe the waiting time between coats and apply additional coats by brush or roller.

Coats that exceed the maximum waiting time can be recoated after reactivating surface with **Thinner C**.

## IMPORTANT CONSIDERATIONS

- ✱ Do not apply **Sikafloor 2420** on substrates in which significant vapour pressure may occur.
- ✱ Both **Sikafloor 2420** and **Thinner C** are flammable. NO NAKED FLAMES.
- ✱ Always ensure good ventilation when using **Sikafloor 2420** in a confined space.
- ✱ Freshly applied **Sikafloor 2420** should be protected from damp, condensation and water for at least 24 hours.
- ✱ Avoid puddles on surface.
- ✱ Minimum 3 coats required for chemical resistance.

## CLEANING

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.15 - 0.2 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - see current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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Please consult our Technical Sales Department for further information

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# Sikafloor<sup>®</sup> 2430

## Coloured Epoxy Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 2430** is a two component solvented coloured epoxy coating. It provides a protective surface treatment for concrete floors and walls.

#### USES

- \* Industrial areas.
- \* Abattoirs.
- \* Car parks.
- \* Aircraft maintenance hangars.
- \* Workshops.
- \* Manufacturing areas.
- \* Laboratories.
- \* Storage areas.
- \* Breweries.

#### ADVANTAGES

- \* Excellent abrasion resistance.
- \* Vapour proof.
- \* Waterproof.
- \* Good chemical resistance.
- \* Prevents dusting.
- \* Easy to clean.
- \* Can be used externally.
- \* Quick drying.
- \* Easily maintained.
- \* Long pot life.

#### FLOOR COATING SYSTEM:

##### Normal exposure

Base coat: 1 x **Sikafloor 2430** thinned with  
10 - 20% by wt **Thinner C**  
Top coat: 1 x **Sikafloor 2430**

##### Heavy exposure

Base coat: 1 x **Sikafloor 2420**  
Intermediate coat: 1 x **Sikafloor 2430**  
Top coat: 1 x **Sikafloor 2430**

**Material consumption:** Approx 0.15 - 0.20 kg/m<sup>2</sup> per coat

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.2 kg/litre

**Volume solids:** Approx 57%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 80% max

**Substrate M.C. & RH:** ≤4% by wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Abrasion resistance:** 88 mg (Taber)

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 120°C

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional information)

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	10 hrs	6 hrs	3 hrs
<b>Waiting time between coats:</b>			
min	24 hrs	12 hrs	8 hrs
max	2 days	2 days	2 days

**Pot life:**

#### Waiting time between coats:

min	24 hrs	12 hrs	8 hrs
max	2 days	2 days	2 days

#### Final drying times:

Foot traffic	48 hrs	24 hrs	20 hrs
Lightly serviceable	5 days	3 days	2 days
Fully serviceable	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

It is recommended that the base coat of **Sikafloor 2430** is applied by brush. Observe the waiting time between coats and apply additional coats by brush or roller.

Coats that exceed the maximum waiting time, can be recoated after reactivating surface with **Thinner C**.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 2430** on substrates in which significant vapour pressure may occur.
- \* Both **Sikafloor 2430** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 2430** in a confined space.
- \* Quartz silica sand can be sprinkled on to **Sikafloor 2430** then sealed to form a slip resistant surface.
- \* Freshly applied **Sikafloor 2430** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Colours are produced as accurately as possible. However, it is always recommended that where matching is required, the customer checks the required colour with a sample of **Sikafloor 2430**.

## CLEANING

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Approximately 0.15 - 0.2 kg/m<sup>2</sup> (These figures do not allow for surface texture or wastage). Maximum yield per pack - see current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# SikaGard® 62

## High Build Epoxy Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikagard 62** is a two-component solvent free, high build coloured epoxy resin coating with high chemical resistance and approved for use in contact with potable (drinking) water.

#### USES

- \* On steel or concrete.
- \* Reservoir coatings.
- \* Bund linings.
- \* Food production areas.
- \* Cleanroom floors and walls.
- \* Pipe linings.
- \* Metal tank coating and lining.
- \* Nuclear industries.
- \* Aquariums.
- \* Process areas.

#### ADVANTAGES

- \* Excellent decontaminability.
- \* Hygienic.
- \* Non-taint.
- \* High film thickness.
- \* Solvent free.
- \* Excellent chemical resistance.
- \* Good abrasion resistance.
- \* Durable.
- \* Sprayable.
- \* Damp tolerant (no vapour pressure).
- \* Vapour proof.
- \* Suitable for drinking water contact.

#### FLOOR COATING SYSTEM

2 - 3 x **Sikagard 62**. Can also be applied as a self smoothing topping if required. (Ensure use of spiked roller).

**Material consumption:** Approx 0.2 - 0.4 kg/m<sup>2</sup> per coat.  
0.2 kg/m<sup>2</sup> = 150µ D.F.T.

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.		
<b>Specific gravity:</b>	Approx. 1.35 kg/litre		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+5°C min, +30°C max (Substrate and ambient) RH 90% max		
<b>Substrate MC &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Heat resistance:</b>	Continuous exposure 60°C		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information)		
<b>Additional application information:</b>	+10°	+20°C	+30°C
<b>Pot Life:</b>	60 mins	30 mins	15 mins
<b>Waiting time between coats</b>			
min	18 hrs	10 hrs	5 hrs
max	3 days	2 days	1 day
<b>Final drying times:</b>			
Foot traffic	24 hrs	17 hrs	8 hrs
Lightly serviceable	6 days	4 days	2 days
Fully serviceable	15 days	12 days	9 days

Approved for potable water contact.  
Certification available on request.

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur® Sikafloor®** or **SikaGard®** range of materials.

Steel surfaces should be prepared to bright metal and subsequently degreased prior to coating.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300-600 rpm) for a minm of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor® EpoCem®** may be applied as a D.P.M. system

Three coats should be used for areas requiring high chemical and/or mechanical resistance.

The use of differing colours on each coat is recommended to aid correct coverage.

Apply by brush, roller or airless spray to the correct film thickness.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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## IMPORTANT NOTES

- \* Do not apply **SikaGard 62** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **SikaGard 62** in a confined space.
- \* Quartz silica sand can be sprinkled on to **SikaGard 62** then sealed to form a slip resistance surface
- \* Freshly applied **SikaGard 62** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* When intercoat times are exceeded abrade, wipe with **Thinner C** and recoat.
- \* For damp substrates scrub the first coat into the substrate.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.2 - 0.4 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).





# SikaGard® 63N

## Coloured, Highly Chemical Resistant Coating

### Technical Data Sheet

#### DESCRIPTION

**SikaGard 63N** is a two component solvent free high build coloured epoxy coating. It provides a highly chemically resistant protective surface treatment for concrete and steel.

#### USES

- \* Industrial chemical areas.
- \* Silos.
- \* Bund linings.
- \* Chemical mixing tanks.
- \* Chemical tank linings.
- \* Fuel tanks.
- \* Oil tanks.
- \* Sludge and STW tanks.
- \* Ion exchange systems.
- \* Process areas.

#### ADVANTAGES

- \* Solvent free.
- \* Excellent abrasion resistance.
- \* Waterproof.
- \* Vapour proof.
- \* High build.
- \* Can be used externally.
- \* Excellent chemical resistance.
- \* Economic.
- \* Quick drying.
- \* Easily maintained.

#### FLOOR COATING SYSTEM:

**Primer/Top Coat:** 2 - 3 x **SikaGard 63N**

**Material consumption:** Approx 0.25 - 0.4 kg/m<sup>2</sup> per coat.  
0.25 kg/m<sup>2</sup> = 160µ D.F.T.

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.6 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 85% max

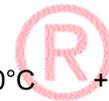
**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

#### CHEMICAL RESISTANCE:

(Consult Sika Ltd for additional Information) Excellent for acids, alkalis, solvents, industrial chemicals, sewage, lubricants

#### Additional application information:

+10°C      +20°C      +30°C



**Pot life:** 60 mins      30 mins      15 mins

#### Waiting time between coats:

min	9 hrs	6 hrs	4 hrs
max	24 hrs	12 hrs	6 hrs

#### Final drying times:

Foot traffic:	16 hrs	10 hrs	8 hrs
Lightly serviceable:	3 days	2 days	1 days
Fully serviceable:	15 days	9 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

Steel surfaces should be prepared to bright metal and subsequently degreased prior to coating.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If 4% by wt or 75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

The use of differing colours on each coat is recommended to aid correct coverage.

Apply by brush, roller or airless spray.

Coats that exceed the maximum waiting time can be recoated after roughening surface and wiping with **Thinner C** and recoating immediately when dry.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **SikaGard 63N** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **SikaGard 63N** in a confined space.
- \* Quartz silica sand can be sprinkled on to **SikaGard 63N** then sealed to form a slip resistance surface.
- \* Freshly applied **SikaGard 63N** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Minimum 3 coats (500 microns) for areas where chemical resistance is required.

## CLEANING

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.25 - 0.4 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Inertol® Poxitar® F

## Epoxy Tar Oil Finishing Coat

### Technical Data Sheet

#### DESCRIPTION

**Inertol Poxitar F** is a two component, low VOC, very high solids epoxy tar oil coating for steel and concrete.

#### USES

- \* Heavy duty corrosion protection of most marine steel and concrete structures.
- \* Sewage treatment corrosion protection.
- \* Bridges.
- \* Tunnels.
- \* Hydro electric structures.
- \* Chemical industry.

#### ADVANTAGES

- \* Low VOC.
- \* Suitable for application to damp concrete or steel structures.
- \* High chemical resistance.
- \* Good abrasion and impact resistance.
- \* Resistant to permanent submersion in sea water.

#### Technical Data

<b>Colour:</b>	Black/red brown		
<b>Finish:</b>	Eggshell		
<b>Density (SG):</b>	1.8 kg/litre		
<b>Volume solids:</b>	87%		
<b>Typical film thickness per coat:</b>	140 - 170 microns dry 172 - 195 microns wet		
<b>Application temperatures:</b>	+5°C minimum (substrate and ambient)		
<b>Coverage:</b>	6 m <sup>2</sup> /litre @ 150 microns dft		
<b>Service temperature:</b>	Max dry heat +100°C Max damp heat +80°C		
<b>Method of Application:</b>	Airless spray, brush or roller		
<b>Drying times:</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
Overcoating:			
Min (hours)	30	12	6
Max (hours)	72	48	24
<b>Mix ratio: (A:B)</b>	85:15 by wt		
<b>No of coats:</b>	2 - 3		
In accordance with ISO 12 944 Pt 5			
<b>Pot life: (hours)</b>	1.5 hours @ 20°C		
<b>VOC:</b>	307 g/litre		
<b>Flashpoint:</b>	Pt A 66°C Pt B 23°C		

All above values are approximate.

## SURFACE PREPARATION

### Concrete:

Remove cement laitance by sweep blasting or equivalent to improve adhesion. Cavities must be filled/levelled before use with **SikaDur® 31**.

### Steel:

Blastclean to SA 2.5 according to ISO 129 44 Pt 4.

The surface to be coated should be dry and free from contaminants, such as dust, oil, grease, algal growth etc.

### Galvanized surfaces:

Refer to **Sika®** Galvanized Steel Duplex Guidelines. Available on request.

## MIXING

Always mix complete units as supplied. Power agitate component A, add component B and completely mix both components.

## APPLICATION

**Airless spray:** Typically 170 - 195 microns per coat wft on vertical surfaces

Tip range 0.58 - 0.66 mm (19 - 25 thou)  
Output fluid pressure at tip  
Min (170 kg/cm<sup>2</sup>) (2500 psi)

**Brush:** Typically 100 - 150 microns per coat wft on vertical surfaces

**Roller:** Typically 100 - 150 microns per coat wft on vertical surfaces

## THINNING

Depending on ambient temperature, up to 5% of **Sika Thinner C** may be necessary for atomisation. This reduces immediate exposure to water. If immediate exposure to water is required, it is recommended that atomisation is achieved by pressure and tip size adjustments.

## IMPORTANT CONSIDERATIONS

- \* Apply in ventilated areas
- \* Do not exceed the maximum overcoating times. Should this be unavoidable consider using **Inertol Poxitar G**.

## CLEANING OF EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 6 m<sup>2</sup>/litre @ 150 microns dft. These figures do not allow for surface porosity, profile or wastage).

## STORAGE AND SHELF LIFE

Minimum 24 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



Please consult our Technical Sales Department for further information

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# Sikafloor® 261

## Coloured Universal Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 261** is a two component solvent free coloured universal epoxy resin based flooring system. The material can be used as a high build coating (textured or smooth) or filled with sand to produce a self smoothing screed.

#### USES

- \* Manufacturing areas.
- \* Wet and dry process areas.
- \* Laboratories.
- \* Production areas.
- \* Storage areas.
- \* Plant rooms.
- \* Clean rooms.
- \* Cold rooms.
- \* Work areas.

#### ADVANTAGES

- \* Versatile - one product for many applications.
- \* High mechanical properties.
- \* Good abrasion resistance.
- \* Good chemical resistance.
- \* High durability.
- \* Coloured.
- \* Solvent free.
- \* Safe to use.
- \* Easy and fast to apply - low viscosity.
- \* Easily cleaned and maintained.
- \* Waterproof.

#### FLOOR COATING SYSTEM:

##### High build textured coating:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Top coat:** 1 - 2 x **Sikafloor 261**  
+ 1 - 2% by wt of **Extender T**.

**Material consumption:** Approx 0.4 - 0.6 kg/m<sup>2</sup> per coat.

##### Self smoothing screed:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Top coat:** 1 x **Sikafloor 261** (filled)

**Material consumption:** Approx 1.8 kg/m<sup>2</sup> per mm (filled)

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities

**Density (SG):** Approx 1.3 kg/litre  
Approx 1.8 kg/litre (filled)

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min\*, +30°C max  
(Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Abrasion resistance:** 60 mg  
(Taber)

**Shore D hardness:** 77

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 120°C

**CHEMICAL RESISTANCE:** Refer to chart  
(Consult Sika Ltd for additional information)

#### Additional

##### application information:

	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 mins	30 mins	15 mins
<b>Waiting time between coats:</b>			
min	30 hrs	24 hrs	12 hrs
max	3 days	2 days	1 day

##### Final drying times:

Foot traffic:	2 days	1 day	1 day
Lightly serviceable:	4 days	2 days	2 days
Fully serviceable:	10 days	7 days	5 days

\* Under certain conditions temperature may be reduced to 5°C. Refer to Sika Limited.

All above values are approximate.

#### Broadcast system:

**Primer/base coat:** 1 x **Sikafloor 261** minimum 1.0mm thickness blinded with kiln dried quartz sand.

**Seal coat:** 1 - 2 x **Sikafloor 261** (unfilled)

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

For filled systems, decant mixed material into a clean container and add **Sikafloor 261** filler or kiln dried quartz sand (0.1 - 0.3 mm) at a ratio of 1:0.6 - 1.2 gradually while mixing then thoroughly mix for a further 2 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

**High build textured coating:** Apply mixed **Sikafloor 261** (with **Extender T**) onto primed substrate by brush or roller. Back roller with textured roller to achieve desired finish. Peak trough height will vary depending upon amount of **Extender T** used and temperatures at time of application.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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**Self smoothing screed:** Pour mixed **Sikafloor 261** onto primed substrate and spread evenly to the required thickness with trowel.

Roll immediately in two directions with spiked roller.

**Broadcast system:** After application of **Sikafloor 261** self smoothing screed to unprimed substrate, allow to partially cure and blind surface with kiln dried quartz sand (granulometry to suit slip resistance requirements). Allow **Sikafloor 261** to cure and remove loose sand.

Apply by trowel, sealer coats of unfilled **Sikafloor 261** and back roller with short pile roller.

## IMPORTANT NOTES

- ★ Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- ★ Do not apply **Sikafloor 261** on substrates in which significant vapour pressure may occur.
- ★ **Thinner C** is flammable. NO NAKED FLAMES.
- ★ Always ensure good ventilation when using **Sikafloor 261** in a confined space.
- ★ Freshly applied **Sikafloor 261** should be protected from damp, condensation and water for at least 24 hours.
- ★ Can be applied to a gradient <2%.
- ★ For matt finish to self smoothing screed blind surface with **Plastorit**<sup>®</sup>.
- ★ Application may vary depending on the type of sand used and mixing ratio.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list



## CONSUMPTION

Refer to floor coating system (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).





# Sikafloor® 400 Elastic

## Coloured High Elastic Polyurethane Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 400 Elastic** is a one component low solvented coloured high elastic polyurethane coating for internal or external floors and containment tanks.

#### USES

- \* Balconies/terraces.
- \* Staircases.
- \* Bund linings.
- \* Storage areas.
- \* Walkways.
- \* Process areas.
- \* Concrete and masonry containment tanks/bunds.
- \* Manufacturing process areas.
- \* Roofs

#### ADVANTAGES

- \* One component.
- \* Good chemical resistance.
- \* Crack bridging.
- \* Waterproof.
- \* Easy application.
- \* UV resistant.
- \* Weather resistant.
- \* Slip resistant.
- \* Good abrasion resistance.
- \* Fast drying.
- \* Durable.
- \* Easily maintained.
- \* Non yellowing.

#### Technical Data (typical)

**Colour:** Refer to colour chart and price list  
**Density (SG):** Approx 1.6 kg/litre  
**Volume solids:** Approx 77%  
**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
 RH 80% max  
 +3°C above dew point

**Substrate M.C. & RH** ≤4% by Wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Layer thickness:** 0.3 - 2.0 mm

**Elongation at break:** 320% @ 23°C

**Abrasion resistance:** 30 mg (Taber)

#### CHEMICAL RESISTANCE:

(Consult Sika Ltd for additional information) Water, diesel, fuel, transformer oil, mineral oils.

#### Additional application information:

##### Waiting time between primer coats:

	+10°C	+20°C	+30°C
min	36 hrs	24 hrs	12 hrs
max	6 days	4 days	2 days

##### Between coats:

Min	1 day	6-8 hrs	5-6 hrs
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##### Final drying times:

Foot traffic:	-	7 hrs	-
Fully serviceable:	-	7 days	-

All above values are approximate.

### SYSTEM TABLE

Use	Light Wear	Medium Wear	High Wear	With coloured flake surface design	With coloured quartz surface design
Product	1 x Sikafloor 400 Elastic +10% Thinner C	1 x Sikafloor 156 0.3 - 0.6 kg/m <sup>2</sup>			
Broadcast	-	-	Broadcast to excess with quartz sand	-	Broadcast to excess with coloured quartz sand (0.3-0.8 mm) to suit
Coating Sikafloor 400	0.4-0.6 kg/m <sup>2</sup>	0.6-1.2 kg/m <sup>2</sup>	1.5 kg/m <sup>2</sup>	0.6-1.2 kg/m <sup>2</sup>	0.6-1.2 kg/m <sup>2</sup>
Decorative effect	-	-	-	Sprinkle with coloured flakes to suit	-
Matt Sealer	-	-	-	1-2 x Sikafloor 410 Elastic	

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Mix thoroughly with a low speed electric stirrer (300 - 400 rpm).

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 400 Elastic** on to "tack free" primed substrate by roller, brush or trowel.

For a decorative design system, apply whilst **Sikafloor 400 Elastic** is wet.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 400 Elastic** on substrates in which significant vapour pressure may occur.
- \* Both **Sikafloor 400 Elastic** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 400 Elastic** in a confined space.
- \* Freshly applied **Sikafloor 400 Elastic** should be protected from damp, condensation and water for at least 5 hours (23°C @ 50% air humidity).
- \* At high relative humidity curing will be accelerated.
- \* Skinning may occur on material left in opened resealed containers remove skin before re-using.
- \* For verticals and inclined surfaces >4% use **Sikafloor Elastic** with 2-4% **Extender T**.
- \* **Sikafloor 400 Elastic** may be stained by wine, tea, coffee leaves etc.
- \* The granulometry of the dried quartz sand should be selected to achieve the customers slip resistance requirements.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

See system table. (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 6 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor® 7530

## Coloured Epoxy High Build Textured Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 7530** is a two component low solvent, coloured epoxy, high build textured coating. The material provides a coating for concrete floors with enhanced slip resistance. It is also suitable as a wall coating and is resistant to a wide range of chemicals.

#### USES

- \* Chemical process areas.
- \* Car parks.
- \* Workshops.
- \* Food processing areas.
- \* Manufacturing areas.
- \* Laboratories.
- \* Pharmaceutical plants.
- \* Storage areas.
- \* Textile plants.
- \* Most wet process areas.

#### ADVANTAGES

- \* Good chemical and mechanical resistance.
- \* Easy to apply.
- \* Excellent aesthetics.
- \* Slip resistant.
- \* Easy to clean.
- \* Durable.
- \* Economic.
- \* Seamless.
- \* Easily maintained.

#### FLOOR COATING SYSTEM:

##### Normal exposure

**Primer:** 1 - 2 x **Sikafloor 7530** diluted  
Up to 10% with **Thinner C**.

**Top coat:** 1 x **Sikafloor 7530**  
Layer thickness approx 0.5 mm

##### Heavy exposure

**Primer:** 1 x **Sikafloor 156/157**.

**Intermediate coat:** 1 x **Sikafloor 7530**

**Top coat:** 1 x **Sikafloor 7530**  
Layer thickness approx 0.8 mm

For dense substrates use **Sikafloor 2420** as a primer.

**Material consumption:** Approx 0.4 - 0.6 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.8 kg/litre

**Volume solids:** Approx 81%

**Application temperatures & humidity conditions:** +10°C min, +30°C max  
(Substrate and ambient)  
RH 80% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

**Application thickness:** Approx 0.5 mm

#### MECHANICAL PROPERTIES:

**Abrasion resistance:** 78 mg  
(Taber)

**Shore D hardness:** 80

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 80°C

**CHEMICAL RESISTANCE:** Refer to chart.  
(Consult Sika Ltd for additional information)

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	45 mins	25 mins	10 mins

**Waiting time between coats:**

	+10°C	+20°C	+30°C
min	48 hrs	24 hrs	20 hrs
max	5 days	4 days	2 days

**Final drying times:**

	+10°C	+20°C	+30°C
Foot traffic:	30 hrs	20 hrs	15 hrs
Lightly serviceable:	7 days	4 days	3 days
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 7530** onto primed substrate by brush or roller. Back roller with textured roller to achieve desired finish.

To improve skid resistance of coating add 10% by wt of kiln dried quartz sand (granulometry to suit) into mixed **Sikafloor 7530** and mix for a further 3 minutes in separate container before application.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 7530** on substrates in which significant vapour pressure may occur.
- \* Both **Sikafloor 7530** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 7530** in a confined space.
- \* Freshly applied **Sikafloor 7530** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Exposure to some chemicals may cause slight discolouration.
- \* Exposure to high temperatures may cause discolouration.

## CLEANING EQUIPMENT

Use **Thinner C** hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.4 - 0.6 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor<sup>®</sup> 81 EpoCem<sup>®</sup>

## Epoxy Cement Self Smoothing Screed (1.5 - 3.0 mm)

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 81 EpoCem** is a three component epoxy modified cementitious self smoothing screed. Particularly used as a base layer beneath **Sikafloor** coatings, mortars, screed, timber flooring, carpets, tiles etc. When used in conjunction with an impervious top coat it provides a surface mounted damp proof membrane system which can be applied to green and damp substrates.

#### USES

- \* Laboratories
- \* Dairies.
- \* Food processing/manufacturing areas.
- \* Pharmaceutical plants.
- \* Containment areas.
- \* Workshops.
- \* Car park decks.
- \* Bridge deck reprofiling.
- \* Offices.

#### ADVANTAGES

- \* Solvent free.
- \* Excellent adhesion even on damp/green concrete.
- \* Does not require curing.
- \* Allows fast track construction.
- \* Self smoothing.
- \* Properties similar to concrete.
- \* Excellent mechanical strengths.
- \* Waterproof.
- \* Vapour check layer (2 mm + thickness)
- \* Overcomes 'osmotic' problems.
- \* Can be overcoated with floor finish within 24 hours.

#### Technical Data (typical)

**Colour:** Grey (red/yellow with pigment)

**Density (SG):** Approx 2.1 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min\*, +30°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤12% by Wt or ≤95% RH

**Application thickness:** 1.5 mm minimum  
3.0 mm maximum

#### MECHANICAL PROPERTIES:

**Compressive strength:**  
**28 days @ 23°C** >60 N/mm<sup>2</sup>  
**50% RH:**

**CHEMICAL RESISTANCE:** Refer to chart  
(Consult Sika Ltd for additional information)

**Ultimate compressive strength:** 60 N/mm<sup>2</sup>

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	30 mins	20 mins	10 mins

**Overcoating times:**

	+10°C	+20°C	+30°C
<b>Sikafloor 155W</b>	-	12hours	-
<b>EpoCem Module</b>	-	1 hour	-
<b>Sikafloor coating</b>	2 days	1 day	1 day

**Final drying times:**

	+10°C	+20°C	+30°C
Foot traffic:	24 hours	15 hours	12 hours
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	14 days	7 days	5 days

All above values are approximate.

#### FLOOR COATING SYSTEM:

##### Self smoothing screed:

##### Primer:

Porous substrate: 1 x **Sikafloor 155W**.

Normal substrate: 1 - 2 x **Sikafloor EpoCem module**.

**Screed:** 1 x **Sikafloor 81 EpoCem**

**Seal coat:** **Sikafloor** coating to suit.

**Material consumption:** Approx 2.1 kg/m<sup>2</sup> per mm

##### Broadcast system:

**Primer:** 1 x **Sikafloor EpoCem Module**.

**Screed:** 1 x **Sikafloor 81 EpoCem**  
(2.0 - 3.0 mm)

**Broadcast:** Quartz sand to excess.

**Seal coat:** **Sikafloor** coating to suit

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/mm<sup>2</sup>).  
Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Shake component A (white liquid) then pour into component B and shake for 30 seconds. Then mix with component C thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Mix time is crucial to success.

## APPLICATION

Prior to application confirm substrate moisture content is ≤12% by weight or ≤95% RH.

Apply the appropriate primer for the situation, either **Sikafloor 155W** or **Sikafloor EpoCem Module**. **Sikafloor EpoCem Module** is used as a tack coat and if allowed to dry the area should be re-primed. Where 2 coats are required allow a minimum of 12 hours and a maximum of 36 hours between coats.

Apply mixed material to the primed surface and spread to required thickness by trowel. Immediately work with spiked roller to ensure even thickness and release of entrapped air.

If blinding with quartz aggregate (granulometry to suit) ensure that the minimum thickness of 2 mm of unbulked **Sikafloor 81 EpoCem** is not compromised as this will impair its ability to act as a DPM system.

## IMPORTANT NOTES

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Always ensure good ventilation when using **Sikafloor 81 EpoCem** in a confined space.
- \* Quartz silica sand can be sprinkled on to **Sikafloor 81 EpoCem** then sealed to form a slip resistance surface.
- \* Freshly applied **Sikafloor 81 EpoCem** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Minimum thickness is 2 mm for use as vapour check layer.
- \* Do not add water to the mix.
- \* **Sikafloor 81 EpoCem** should normally be sealed.
- \* Pigmentation is possible with **EpoCem** pigment pastes.
- \* Protect from extremes of weather (cold/rain/snow) for at least 6-10 hours.
- \* When overcoating **Sikafloor 81 EpoCem** with self smoothing topping use appropriate product primer.
- \* When overcoating **Sikafloor 81 EpoCem** with coating, a primer is not normally required prior to coating.
- \* When overcoating **Sikafloor 81 EpoCem** with **Sikafloor** coating, check surface moisture content is ≤4%
- \* Differing temperatures at the time of application will affect the workability of the product. This can be improved by reducing component C by a maximum of 10% by wt.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

2.1 kg/m<sup>2</sup>/mm thickness. (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C). Component C must be protected from humidity.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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Please consult our Technical Sales Department for further information

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# Sikafloor<sup>®</sup> 82 EpoCem<sup>®</sup>

## Epoxy Cement Self Smoothing Screed (3.0 - 7.0 mm)

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 82 EpoCem** is a three component epoxy modified cementitious self smoothing screed. Particularly used as a base layer beneath **Sikafloor** epoxy and polyurethane coatings, mortars, screed, timber flooring, carpets, tiles etc. When used in conjunction with an impervious top coat it provides a surface mounted damp proof membrane system which can be applied to green and damp substrates.

#### USES

- \* Laboratories
- \* Dairies.
- \* Food processing/manufacturing areas.
- \* Pharmaceutical plants.
- \* Containment areas.
- \* Workshops.
- \* Car park decks.
- \* Bridge deck reprofiling.
- \* Offices.

#### ADVANTAGES

- \* Solvent free.
- \* Excellent adhesion even on damp/green concrete.
- \* Does not require curing.
- \* Allows fast track construction.
- \* Self smoothing.
- \* Properties similar to concrete.
- \* Excellent mechanical strengths.
- \* Waterproof.
- \* Vapour check layer (3 mm + thickness)
- \* Overcomes 'osmotic' problems.
- \* Can be overcoated with floor finish within 24 hours.

#### FLOOR COATING SYSTEM:

##### Self smoothing screed:

##### Primer:

Porous substrate: 1 x **Sikafloor 155W**.

Normal substrate: 1 - 2 x **Sikafloor EpoCem module**.

**Screed:** 1 x **Sikafloor 82 EpoCem**

**Seal coat:** **Sikafloor** coating to suit.

**Material consumption:** Approx 2.1 kg/m<sup>2</sup> per mm

#### Technical Data (typical)

**Colour:** Grey (red/yellow with pigment)

**Density (SG):** Approx 2.1 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +8°C min\*, +30°C max (Substrate and ambient)  
RH 80% max

**Substrate M.C. & RH:** ≤12% by Wt or ≤95% RH

**Application thickness:** 3.0 mm thickness  
7.0 mm maximum

#### MECHANICAL PROPERTIES:

**Compressive strength:**  
**28 days @ 23°C** >60 N/mm<sup>2</sup>  
**50% RH:**

**CHEMICAL RESISTANCE:** Refer to chart  
(Consult Sika Ltd for additional information)

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	50 mins	25 mins	10 mins
<b>Overcoating times:</b>			
<b>Sikafloor 155W</b>	-	12hours	-
<b>EpoCem Module</b>	-	1 hour	-
<b>Sikafloor coating</b>	2 days	1 day	1 day
<b>Final drying times:</b>			
Foot traffic:	24 hours	15 hours	12 hours
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	14 days	7 days	5 days

All above values are approximate.

##### Broadcast system:

**Primer:** 1 - 2 x **Sikafloor EpoCem Module**.

**Screed:** 1 x **Sikafloor 82 EpoCem**  
(4.0 - 7.0 mm)

**Broadcast:** Quartz sand to excess.

**Seal coat:** **Sikafloor** coating to suit.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/mm<sup>2</sup>).  
Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Shake component A (white liquid) then pour into component B and shake for 30 seconds. Then mix with component C thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Mix time is crucial to success.

## APPLICATION

Prior to application confirm substrate moisture content is ≤12% by weight or ≤95% RH.

Apply the appropriate primer for the situation, either **Sikafloor 155W** or **Sikafloor EpoCem Repair Module**. **Sikafloor EpoCem** repair module is used as a tack coat and if allowed to dry the area should be re-primed. Where 2 coats are required allow a minimum of 12 hours and a maximum of 36 hours between coats.

Apply mixed material to the wet primed surface and spread to required thickness by trowel. Immediately work with spiked roller to ensure even thickness and release of entrapped air.

If blinding with quartz aggregate (granulometry to suit) ensure that the minimum thickness of 2 mm of unbulked **EpoCem** is not compromised as this will impair its ability to act as a DPM system.

## IMPORTANT NOTES

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Always ensure good ventilation when using **Sikafloor 82 EpoCem** in a confined space.
- \* Quartz silica sand can be sprinkled on to **Sikafloor 82 EpoCem** then sealed to form a slip resistance surface.
- \* Freshly applied **Sikafloor 82 EpoCem** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Minimum thickness is 3 mm for use as vapour check layer.
- \* Do not add water to the mix.
- \* **Sikafloor 82 EpoCem** should normally be sealed.
- \* Pigmentation is possible with **EpoCem** pigment pastes.
- \* Protect from extremes of weather (cold/rain/snow) for at least 6-10 hours.
- \* When overcoating **Sikafloor 82 EpoCem** with self smoothing topping use appropriate product primer.
- \* When overcoating **Sikafloor 82 EpoCem** with coating, a primer is not normally required prior to coating.
- \* When overcoating **Sikafloor 82 EpoCem** with **Sikafloor** coating, check surface moisture content is ≤4%
- \* Differing temperatures at the time of application will affect the workability of the product. This can be improved by reducing component C by a maximum of 10% by wt.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

2.1 kg/m<sup>2</sup>/mm thickness. (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C). Component C must be protected from humidity.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 261

## Coloured Universal Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 261** is a two component solvent free coloured universal epoxy resin based flooring system. The material can be used as a high build coating (textured or smooth) or filled with sand to produce a self smoothing screed.

#### USES

- \* Manufacturing areas.
- \* Wet and dry process areas.
- \* Laboratories.
- \* Production areas.
- \* Storage areas.
- \* Plant rooms.
- \* Clean rooms.
- \* Cold rooms.
- \* Work areas.

#### ADVANTAGES

- \* Versatile - one product for many applications.
- \* High mechanical properties.
- \* Good abrasion resistance.
- \* Good chemical resistance.
- \* High durability.
- \* Coloured.
- \* Solvent free.
- \* Safe to use.
- \* Easy and fast to apply - low viscosity.
- \* Easily cleaned and maintained.
- \* Waterproof.

#### FLOOR COATING SYSTEM:

##### High build textured coating:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Top coat:** 1 - 2 x **Sikafloor 261**  
+ 1 - 2% by wt of **Extender T**.

**Material consumption:** Approx 0.4 - 0.6 kg/m<sup>2</sup> per coat.

##### Self smoothing screed:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Top coat:** 1 x **Sikafloor 261** (filled)

**Material consumption:** Approx 1.8 kg/m<sup>2</sup> per mm (filled)

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities

**Density (SG):** Approx 1.3 kg/litre  
Approx 1.8 kg/litre (filled)

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min\*, +30°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Abrasion resistance:** 60 mg (Taber)

**Shore D hardness:** 77

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 120°C

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional information)

#### Additional

##### application information:

	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 mins	30 mins	15 mins
<b>Waiting time between coats:</b>			
min	30 hrs	24 hrs	12 hrs
max	3 days	2 days	1 day

##### Final drying times:

Foot traffic:	2 days	1 day	1 day
Lightly serviceable:	4 days	2 days	2 days
Fully serviceable:	10 days	7 days	5 days

\* Under certain conditions temperature may be reduced to 5°C. Refer to Sika Limited.

All above values are approximate.

#### Broadcast system:

**Primer/base coat:** 1 x **Sikafloor 261** minimum 1.0mm thickness blinded with kiln dried quartz sand.

**Seal coat:** 1 - 2 x **Sikafloor 261** (unfilled)

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

For filled systems, decant mixed material into a clean container and add **Sikafloor 261** filler or kiln dried quartz sand (0.1 - 0.3 mm) at a ratio of 1:0.6 - 1.2 gradually while mixing then thoroughly mix for a further 2 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

**High build textured coating:** Apply mixed **Sikafloor 261** (with **Extender T**) onto primed substrate by brush or roller. Back roller with textured roller to achieve desired finish. Peak trough height will vary depending upon amount of **Extender T** used and temperatures at time of application.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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**Self smoothing screed:** Pour mixed **Sikafloor 261** onto primed substrate and spread evenly to the required thickness with trowel.

Roll immediately in two directions with spiked roller.

**Broadcast system:** After application of **Sikafloor 261** self smoothing screed to unprimed substrate, allow to partially cure and blind surface with kiln dried quartz sand (granulometry to suit slip resistance requirements). Allow **Sikafloor 261** to cure and remove loose sand.

Apply by trowel, sealer coats of unfilled **Sikafloor 261** and back roller with short pile roller.

## IMPORTANT NOTES

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 261** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 261** in a confined space.
- \* Freshly applied **Sikafloor 261** should be protected from damp, condensation and water for at least 24 hours.
- \* Can be applied to a gradient <2%.
- \* For matt finish to self smoothing screed blind surface with **Plastorit**<sup>®</sup>.
- \* Application may vary depending on the type of sand used and mixing ratio.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Refer to floor coating system (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).





# Sikafloor® 300

## Coloured Elastic Polyurethane Comfort Floor

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 300** is a two component solvent free, low viscosity, coloured crack bridging polyurethane resin. It produces a decorative floor finish. Suitable for internal industrial floors subject to light to medium wear.

#### USES

- \* Manufacturing facilities.
- \* Hospitals.
- \* Schools.
- \* Offices.
- \* Reception rooms.
- \* Exhibition areas and showrooms.
- \* Corridors.
- \* Training rooms.
- \* Hallways.

#### ADVANTAGES

- \* Excellent colour stability.
- \* Decorative designs are possible.
- \* Permanently elastic and comfortable floor.
- \* Excellent noise suppression.
- \* Easy to apply.
- \* Low maintenance.
- \* Solvent free - lower V.O.C than many sheet flooring systems.
- \* Low thermal conductivity.
- \* Jointless.
- \* Self smoothing.

#### FLOOR COATING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Intermediate coat:** 1 x **Sikafloor 300**

For economy and increasing yield add quartz sand (0.06-0.3 mm) to a maximum of 40% pbw (AB : C = 1 : 0.4 pbw)

**Sealer coat: (mandatory)** 1 - 2 x **Sikafloor 302W New Elastic** (clear or coloured)

**Material consumption:** Approx 1.32 kg/m<sup>2</sup> per mm (unfilled)  
Approx 1.48 kg/m<sup>2</sup> per mm (filled)

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.
<b>Density (SG):</b>	Approx 1.32 kg/litre (unfilled) Approx 1.48 kg/litre (filled)
<b>Volume solids:</b>	Approx 100%
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 85% max
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH
<b>Application thickness:</b>	2.0 mm minimum
<b>Heat resistance:</b>	Continuous exposure 50°C Short time exposure 80°C
<b>CHEMICAL RESISTANCE:</b>	Only with <b>Sikafloor 302W New</b> as a sealer coat. Refer to separate chemical resistance chart.
<b>Additional application information:</b>	+20°C
<b>Pot life:</b>	30 mins
<b>Waiting time before sealing:</b>	Approx 18 - 24 hours
Ensure material is tack free	
<b>Final drying times:</b>	20°C
Foot traffic:	36 hrs
Fully serviceable:	7 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and add component C (quartz sand 0.06 - 0.3 mm) if required at this stage and mix all components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. To ensure thorough mixing, decant materials into another container and mix again briefly. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour mixed **Sikafloor 300** onto primed tack free substrate and spread evenly to the required thickness with trowel. Roll immediately in two directions with spiked roller. Once **Sikafloor 300** is tack free apply sealer coat with roller.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 300** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Freshly applied **Sikafloor 300** should be protected from damp, condensation and water for at least 24 hours.
- \* Decorative designs are possible with coloured flakes before application of **Sikafloor 302W New** sealer coat.
- \* Decorative designs are also possible using **Sikafloor 302W New** coloured seal coat.
- \* Decorative designs are possible by pouring and blending differing colours of the product onto the substrate. (Only by trained professionals).
- \* Maximum incline 1%.
- \* Not suitable for permanent exposure to water.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.32 kg/m<sup>2</sup>/mm (unfilled) or 1.48 kg/m<sup>2</sup>/mm (filled 40% pbw). (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 350 Elastic

## Elastomeric Polyurethane Waterproof Membrane Decking System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 350 Elastic** is a two component solvent free coloured elastomeric polyurethane based decking system.

#### USES

Crack bridging wearing surface for car park decks, balconies, footbridges.

#### ADVANTAGES

- \* Excellent low temperature crack bridging.
- \* Abrasion and chemical resistant.
- \* Weather resistant and impervious.
- \* Durable and economic.
- \* UV resistant.

#### DECKING SYSTEM

<b>System:</b>	Parking bays and running aisles	Access ramps and turning circles
<b>Substrate Levelling:</b> (If necessary)	Substrate damp/uneven: <b>Sikafloor EpoCem</b> levelling mortars or Sikafloor resins.	
<b>Primer:</b>	1 x <b>Sikafloor 156/157</b> Applied @ 0.4 kg/m <sup>2</sup> .	Not required
<b>Membrane Layer:</b>	1 x <b>Sikafloor 350 Elastic</b> filled 20% by wt with dried quartz sand (0.1-0.3 mm). Applied @ 2.3 kg/m <sup>2</sup>	1 x <b>Sikafloor 261</b> mixed 1:1 with <b>Sikafloor 261</b> filler sand and upto 2% <b>Extender T</b> . Applied @ 3.0kg/m <sup>2</sup> , Broadcast dried quartz sand (0.6-1.2mm) @ 4 - 6 kg/m <sup>2</sup> to achieve required slip resistance.
<b>UV resistant sealer coat</b>	1 x <b>Sikafloor 354</b> (thinned) @ 0.85 kg/m <sup>2</sup>	
<b>System thickness</b>	4-5 mm	3-4 mm

**Note:** 2 coats of primer may be required on porous substrates to prevent pinholing or blistering in membrane layer.  
For information on the other system products, refer to separate data sheets.

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.
<b>Density (SG):</b>	Approx 1.2 kg/litre
<b>Volume solids:</b>	Approx 100%
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (At least 3°C above dew point) (Substrate and ambient) RH 80% max
<b>Substrate M.C.&amp; RH:</b>	≤4% by Wt or ≤75% RH

#### MECHANICAL PROPERTIES:

**Dynamic crack bridging of system:** 0.2 - 0.4 mm @ -20°C  
In accordance with draft ISO standard EN 1504 and current German standard ZTV SIB

**Shore A hardness:** ≥70

**Tensile strength:** ≥3.5 N/mm<sup>2</sup>

**Elongation at break:** Approx 270%

**Heat resistance:** Short term exposure +80°C

**Additional application information:** +10°C +20°C +30°C

**Application time:** 80 mins 40 mins 20 mins

**Waiting time between coats:**

<b>Sikafloor 156 min</b>	1 day	12 hrs	6 hrs
<b>Sikafloor 156 max</b>	3 days	2 days	1 day

<b>Sikafloor 350 Elastic and sealer coat min</b>	2 days	1 day	1 day
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Longer waiting time between coats may lead to the reduction of intercoat adhesion.

**Final drying times:**

<b>Foot traffic:</b>	24 hrs	15 hrs	6-8 hrs
<b>Fully serviceable:</b>	7 days	7 days	7 days

**Rain resistant:** 5-6 hours approx

Final drying times will be extended at lower temperatures.

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ).  
Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300-400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

Add dried quartz sand gradually while mixing then thoroughly mix for a further 3 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt & >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour mixed **Sikafloor 350 Elastic** onto primed substrate and spread evenly at the required consumption with a trowel or squeegee then roll immediately in two directions with spiked roller.

### Slip resistance of system:

Allow membrane layer to partially cure, while surface remains 'tacky' blind with dried quartz sand (granulometry to suit customer requirements).

Check appearance regularly and re-apply sand to prevent resin rich areas.

Allow membrane layer to dry and remove loose sand.

## TREATMENT OF CRACKS IN DECK

The type of crack should be determined by a qualified engineer and treated as follows:

### \* Static Cracks

Prefill and level with **SikaDur** or **Sikafloor** epoxy resin.

### \* Dynamic Cracks (> 0.4mm)

To be assessed on site and if necessary apply stripe coat of elastomeric material or design as a movement joint.

## IMPORTANT NOTES

- \* The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- \* Colour deviations may occur on unsealed **Sikafloor 350 Elastic** through direct sun radiation. This however, will not influence the mechanical properties.
- \* Always ensure good ventilation.
- \* No naked flames when applying materials.
- \* Protect from damp and water for at least 24 hours.
- \* **Sikafloor 350** must always be broadcast with quartz sand before sealing.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Figures quoted are approximate and do not allow for surface porosity, profile or wastage.

Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C). Protect component B against frost.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor® 360

## Coloured Elastic Polyurethane/Epoxy Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 360** is a two component solvent free, coloured crack bridging, polyurethane/epoxy based hard wearing, self smoothing screed.

#### USES

- \* Manufacturing areas.
- \* Production areas.
- \* Warehousing.
- \* Footbridges.
- \* Walkways.
- \* Car parks.
- \* Laboratories.
- \* Storage rooms.
- \* Corridors.

#### ADVANTAGES

- \* Highly elastic.
- \* High mechanical resistance.
- \* Proven long term performance.
- \* High durability.
- \* Jointless.
- \* Waterproof.
- \* Good chemical resistance.
- \* Cost effective.
- \* Safe to use.

#### FLOORING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 156/157.**

**Top coat:** 1 x **Sikafloor 360**

**Material consumption:** Approx 1.3 kg/m<sup>2</sup> per mm.

**Optional seal coat:** 1 - 2 **Sikafloor 357N.**

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.3 kg/litre

**Volume solids:** Approx 97%

**Application temperatures & humidity conditions:** +10°C min, +35°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

**Application thickness:** 1.5 mm minimum

#### MECHANICAL PROPERTIES:

**Elongation at break:** 120%

**Shore D hardness:** 50

**Crack bridging (static):** 0.5 mm @ 1.0 mm thickness  
1.0 mm @ 2.0 mm thickness

**Abrasion resistance (Taber):** 78 mg

**Heat resistance:** Dry heat up to +80°C  
Wet heat up to +60°C

#### CHEMICAL RESISTANCE:

(Consult Sika Ltd for additional information). Water, salt solutions, white spirit, alkalis, cleaning agents, heating oil, disinfectants.

**Additional application information:** +10°C +20°C

**Pot life:** 1 hr 45 mins

**Final drying times:**  
Foot traffic: 24 hrs  
Lightly serviceable: 3 days  
Fully serviceable: 7 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour mixed **Sikafloor 360** onto 'tack free' primed substrate and spread evenly to the required thickness with trowel.

Roll immediately in two directions with spiked roller.

Existing cracks must be stripe coated with **Sikafloor 360** before application of top coat.

For a matt appearance, blow **Plastorit**<sup>®</sup> over the surface (approx 6.0 m<sup>2</sup>/kg). For sloping or vertical surfaces, **Sikafloor 360** may be made more thixotropic by adding **Extender T** (2 - 4% by wt) to suit conditions.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 360** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 360** in a confined space.
- \* Freshly applied **Sikafloor 360** should be protected from damp, condensation and water for at least 24 hours.
- \* **Sikafloor 360** may discolour under UV exposure.
- \* For a colour stable finish use a **Sikafloor UV** seal coat with increased colour stability (357, 352).
- \* Not resistant to continuous exposure to organic solvents and some oils.

## CLEANING EQUIPMENT

Use **Thinner C** Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Approximately 1.3 kg/m<sup>2</sup>/mm. (This figure does not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 381

## Coloured Chemically Resistant Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 381** is a two component, solvent free, coloured, highly chemically resistant epoxy resin flooring system, filled with sand to produce a self smoothing screed.

#### USES

- \* Chemical process areas.
- \* Decontaminable areas.
- \* Manufacturing areas.
- \* Production areas.
- \* Chemical storage areas.
- \* Breweries.
- \* Laboratories.
- \* Food processing areas.
- \* Bund linings.
- \* Power plants.

#### ADVANTAGES

- \* Excellent chemical resistance.
- \* High mechanical resistance.
- \* Impervious.
- \* Fast curing.
- \* Solvent free.
- \* Safe to use.
- \* High durability.
- \* Jointless.
- \* Easy to maintain.

#### FLOOR COATING SYSTEM

**Primer:** 1 - 2 x **Sikafloor 156/157.**

**Top coat:** 1 x **Sikafloor 381**

**Material consumption:** Approx 1.8 kg/m<sup>2</sup> per mm (filled)

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.6 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

**Application thickness:** 1.8 mm minimum  
2.8 mm maximum

#### MECHANICAL PROPERTIES:

**Compressive strength:** >80N/mm<sup>2</sup>

**Tensile strength:** >45 N/mm<sup>2</sup>

**Elongation at break:** 2.5%

**Abrasion resistance:** 60 mg (Taber)

**Shore D hardness:** 70

**Heat resistance:** Continuous exposure 50°C  
Short term exposure 120°C

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional information)

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 mins	40 mins	20 mins

<b>Waiting time between coats:</b>			
	+10°C	+20°C	+30°C
min	24 hrs	12 hrs	6 hrs
max	48 hrs	24 hrs	12 hrs

**Final drying times:**

	+10°C	+20°C	+30°C
Foot traffic:	2 days	1 day	12 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	7 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Add kiln dried quartz sand (0.1 - 0.3 mm F34 1: 0.3 by wt) gradually while mixing then thoroughly mix for a further 2 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour **Sikafloor 381** onto tack free primed surface and spread evenly with twin blade trowel to the required thickness. Roll immediately in two directions with spiked roller.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 381** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 381** in a confined space.
- \* Freshly applied **Sikafloor 381** should be protected from damp, condensation and water for at least 24 hours.
- \* For inclined and vertical surface add 2% - 4% by wt of **Extender T**.
- \* Application may vary depending on the type of sand used.
- \* Do not use sand as filler for bund wall linings.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.7 kg/m<sup>2</sup>/mm filled (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor® 390

## Coloured Chemical Resistant Flexible Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 390** is a two component self smoothing solvent free, coloured, chemically resistant flexible epoxy resin flooring system.

#### USES

- \* Chemical storage areas.
- \* Solvent storage areas.
- \* Bund areas.
- \* Power plants.
- \* Water containment structures.
- \* Decontamination areas.

#### ADVANTAGES

- \* Good mechanical resistance.
- \* Good chemical resistance.
- \* Flexible.
- \* Abrasion resistant.
- \* Fast curing.
- \* Solvent free.
- \* High durability.
- \* Easy to maintain.
- \* Jointless.
- \* Self smoothing.

#### FLOOR COATING SYSTEM

**Primer coat:** 1 - 2 x **Sikafloor 156/157.**

**Top coat:** 1 x **Sikafloor 390**

**Material consumption:** Approx 1.6 kg/m<sup>2</sup> per mm

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.		
<b>Density (SG):</b>	Approx 1.6 kg/litre		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 85% max		
<b>Substrate M.C.&amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Application thickness:</b>	1.0 mm minimum 3.0 mm maximum		
<b>MECHANICAL PROPERTIES:</b>			
<b>Abrasion resistance: (Taber)</b>	75 mg		
<b>Shore D hardness:</b>	60		
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 120°C		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information).		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	2 hrs	60 mins	30 mins
<b>Waiting time between coats:</b>			
min	24 hrs	12 hrs	6 hrs
max	2 days	24 hrs	12 hrs
<b>Final drying times:</b>			
Foot traffic:	2 days	1 day	18 hrs
Lightly serviceable:	5 days	3 days	2 days
Fully serviceable:	7 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour **Sikafloor 390** onto tack free primer and spread evenly with twin blade trowel to the required thickness. Roll immediately in two directions with spiked roller.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 390** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 390** in a confined space.
- \* Freshly applied **Sikafloor 390** should be protected from damp, condensation and water for at least 24 hours.
- \* Rough surfaces should be levelled first as varying thickness of **Sikafloor 390** will affect conductivity.
- \* For inclined and vertical surface add 2% - 4% by wt of **Extender T**.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.6 kg/m<sup>2</sup>/mm (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 91

## Coloured High Strength Epoxy Resin Screed

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 91** is a three component solvent free coloured high strength heavy duty epoxy resin floor screed which is also suitable as a patching and levelling compound.

#### USES

- \* Warehouses.
- \* Machine shops.
- \* Workshops.
- \* Chemical plants.
- \* Water treatment plants.
- \* Storage areas.
- \* Plant rooms.
- \* Breweries.
- \* Pharmaceutical plants.
- \* Steel works.

#### ADVANTAGES

- \* High mechanical resistance.
- \* High resistance to abrasion.
- \* Good chemical resistance.
- \* Fast curing.
- \* Easy to apply.
- \* Solvent free.
- \* Low odour.
- \* Durable.
- \* Easily maintained.
- \* Excellent application properties.

#### FLOOR COATING SYSTEM:

- Primer:** 1 - 2 x **Sikafloor 156/157**.
- Base coat:** 1 x **Sikafloor 91**.
- Seal coat:** Any suitable **Sikafloor** coating.
- Material consumption:** Approx 2.2 kg/m<sup>2</sup> per mm.

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 2.2 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient) RH 85% max

**Substrate M.C. & RH** ≤4% by Wt or ≤75% RH

**Application thickness:** 3.0 mm minimum  
40 mm maximum

#### MECHANICAL PROPERTIES:

**Compressive strength:** >80 N/mm<sup>2</sup>

**Tensile strength:** >15 N/mm<sup>2</sup>

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional information).

**Additional application information:**

	+10°C	+20°C	+30°C
<b>Pot life:</b>	50 mins	40 mins	15 mins
<b>Waiting time between coats:</b>	Tack free and ready for traffic		
<b>Final drying times:</b>			
Foot traffic:	24 hrs	12 hrs	8 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	10 days	7 days	5 days

**Pot life:** 50 mins 40 mins 15 mins

**Waiting time between coats:** Tack free and ready for traffic

**Final drying times:**

	+10°C	+20°C	+30°C
Foot traffic:	24 hrs	12 hrs	8 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. ( Min 25 N/ mm<sup>2</sup> ) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Empty Component C (aggregate) into forced action mixer. Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

Pour the mixed resin components onto the aggregate in the mixer until a uniform moist mix is obtained.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 91** wet on wet to tacky **Sikafloor 156/157** and rake to a uniform thickness. Compact material with a wooden float and close surface with a steel trowel.

## IMPORTANT CONSIDERATIONS

- ✳ Do not apply **Sikafloor 91** on substrates in which significant vapour pressure may occur.
- ✳ **Thinner C** is flammable. NO NAKED FLAMES.
- ✳ Always ensure good ventilation when using **Sikafloor 91** in a confined space.
- ✳ Freshly applied **Sikafloor 91** should be protected from damp, condensation and water for at least 24 hours.
- ✳ Keep steel trowel clean by regular wiping with a cloth wetted with **Thinner C**.
- ✳ Do not over trowel **Sikafloor 91**.
- ✳ Normally **Sikafloor 91** is sealed to improve cleaning and chemical resistance. Use the appropriate **Sikafloor** coating.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 2.2 kg/m<sup>2</sup>/mm (These figures do not allow for profile or wastage).

Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor<sup>®</sup> 280

## Epoxy Resin Flooring Mortar

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 280** is a three component solvent free epoxy resin flooring mortar, particularly suited to detailing work.

#### USES

- \* Repairs.
- \* Coving.
- \* Screeds.
- \* Joint arrises.
- \* Rendering.

#### ADVANTAGES

- \* High mechanical resistance.
- \* Solvent free.
- \* High abrasion resistance.
- \* Good chemical resistance.
- \* Extremely easy to apply, excellent workability.
- \* Solvent free.
- \* Low odour.
- \* Durable.
- \* Easily maintained.
- \* Overcoatable with all **Sikafloor** materials.

#### FLOOR COATING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 156/157**.  
(as a tack coat)

**Mortar, Screed,  
Coving or Render:** **Sikafloor 280**

**Material consumption:** Approx 2.2 kg/m<sup>2</sup> per mm.

#### Technical Data (typical)

**Colour:** Grey (others to order - minimum quantity applies)

**Density (SG):** Approx 2.2 kg/litre

**Volume solids:** Approx 100%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 85% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

**Application thickness:** 4.0 mm minimum  
10 mm maximum

#### MECHANICAL PROPERTIES:

**Compressive strength:** >80 N/mm<sup>2</sup>

**Abrasion resistance:** 10 mg (Taber)

**Heat resistance:** Wet + 80°C  
Dry +120°C

#### CHEMICAL RESISTANCE:

(Consult Sika Ltd for additional information). Acids, alkalis, disinfectants, oils, fats, fuels, solvents, not resistant to phenolic materials.

#### Additional application information:

	+10°C	+20°C	+30°C
<b>Pot life:</b>	50 mins	40 mins	15 mins

#### Final drying times:

Foot traffic:	24 hrs	18 hrs	12 hrs
Lightly serviceable:	3 days	3 days	2 days
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Empty Component C (aggregate) into forced action mixer. Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

Pour the mixed resin components onto aggregate in the mixer until a uniform moist mix is obtained.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 280** to the primed, tacky substrate and compact to the appropriate thickness then trowel to a smooth finish.

For thicker sections bulking of the product is achieved using clean, dry pea gravel (3-6 mm size) to create an 'epoxy concrete' typically used on sections 15-70 mm thick. Typically bulk with addition of 30% p.b.w pea gravel.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 280** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 280** in a confined space.
- \* On vertical surfaces use **Sikafloor 156/157** or **SikaDur 32** as a tack coat.
- \* Freshly applied **Sikafloor 280** should be protected from damp, condensation and water for at least 24 hours.
- \* For continuous exposure to liquids seal coating with a **Sikafloor** coating is recommended.
- \* For improved cleanability, sealing is recommended with a suitable **Sikafloor** coating.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 2.2 kg/m<sup>2</sup>/mm. (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).





# Sikafloor® 83 EpoCem®

## Epoxy Cement Mortar Screed

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 83 EpoCem** is a three component epoxy modified cementitious mortar screed.

#### USES

- \* Laboratories
- \* Dairies.
- \* Food processing/manufacturing areas.
- \* Pharmaceutical plants.
- \* Containment areas.
- \* Workshops.
- \* Car park decks.
- \* Bridge deck reprofiling.
- \* Offices.

#### ADVANTAGES

- \* Solvent free.
- \* Excellent adhesion even on damp/green concrete.
- \* Does not require curing.
- \* Allows fast track construction.
- \* Properties similar to concrete.
- \* Excellent mechanical strengths.
- \* Waterproof.
- \* Vapour check layer (7 mm + thickness)
- \* Overcomes 'osmotic' problems.
- \* Can be overcoated with floor finish within 24 hours.

#### FLOOR COATING SYSTEM:

##### Mortar screed:

**Primer:** 1 x SikaTop® Arimatec 110 EpoCem® (1 - 2 kg/m<sup>2</sup>)

**Screed:** 1 x Sikafloor 83 EpoCem

**Material consumption:** Approx 2.1 kg/m<sup>2</sup> per mm

#### Technical Data (typical)

<b>Colour:</b>	Grey
<b>Density (SG):</b>	Approx 2.25 kg/litre
<b>Volume solids:</b>	Approx 100%
<b>Application temperatures &amp; humidity conditions:</b>	+8°C min*, +30°C max (Substrate and ambient) RH 80% max
<b>Substrate M.C. &amp; RH:</b>	≤12% by Wt or ≤95% RH
<b>Application thickness: (per layer)</b>	7.0 mm minimum 10.0 mm maximum Use 6-8 mm dia steel reinforcement mesh above 30 mm screed thicknesses.

#### MECHANICAL PROPERTIES:

**Compressive strength:**  
28 days @ 23°C  
50% RH: >60 N/mm<sup>2</sup>

**CHEMICAL RESISTANCE:** Refer to chart  
(Consult Sika Ltd for additional information)

<b>Additional application information:</b>	<b>+10°C</b>	<b>+20°C</b>	<b>+30°C</b>
<b>Pot life:</b>	-	40 mins	-

#### Overcoating times:

Primer	-	1 hour	-
Sikafloor coating	2 days	1 day	1 day

#### Final drying times:

Foot traffic:	24 hrs	15 hrs	12 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	14 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) .  
Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Shake component A (white liquid) then pour into component B and shake for 30 seconds. Then mix with component C thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Mix time is crucial to success.

## APPLICATION

Prior to application confirm substrate moisture content is ≤12% by weight or ≤95% RH.

Apply mixed material to the primed surface wet on wet and spread to required thickness by rake.

Level using a batten over steel rails (8-10 mm thick) and follow with mechanical smoothing and compaction using a power float with plastic blades. Spray a little water through a jet above the float blades to assist finishing.

## IMPORTANT NOTES

- ✱ Always ensure good ventilation when using **Sikafloor 83 EpoCem** in a confined space.
- ✱ Minimum thickness is 7.0 mm for use as vapour check layer.
- ✱ Do not add water to the mix.
- ✱ Pigmentation is possible with **EpoCem** pigment pastes.
- ✱ Protect from extremes of weather (cold/rain/snow) for at least 6-10 hours.
- ✱ Differing temperatures at the time of application will affect the workability of the product. This can be improved by reducing component C by a maximum of 10% by wt.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

2.1 kg/m<sup>2</sup>/mm thickness. (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C). Component C must be protected from humidity.

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor<sup>®</sup> 162

## Clear Epoxy UV Tolerant Seal Coat

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 162** is a two component solvent free clear epoxy seal coat with UV tolerance.

#### USES

- \* As a seal coat on **Sikafloor** epoxy self smoothing screeds, toppings.
- \* Seal coat for heavy duty mortars and screeds.
- \* It can also be used as a resin binder for non-yellowing screeds and as a top coat on broadcast screeds.

#### ADVANTAGES

- \* UV tolerant.
- \* Solvent free.
- \* Gloss finish.
- \* Good cleanability.
- \* Low viscosity.
- \* Tough.
- \* Durable.
- \* Good mechanical resistance.
- \* Clear.
- \* Excellent application characteristics.

#### FLOOR COATING SYSTEM:

**Top coat:** **Sikafloor** epoxy system.

**Seal coat:** 1 - 2 x **Sikafloor 162**.

**Material consumption:** Approx 0.5 - 0.7 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Clear/transparent.		
<b>Density (SG):</b>	Approx 1.1 kg/litre		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information).		
<b>MECHANICAL PROPERTIES:</b>			
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Application time:</b>	60 mins	30 mins	20 mins
<b>Waiting time between coats:</b>			
min	1 day	10 hrs	5 hrs
max	4 days	2 days	1 day
<b>Final drying times:</b>			
<b>Foot traffic</b>	24 hrs	12 hrs	60 hrs
<b>Lightly serviceable</b>	5 days	3 days	2 days
<b>Fully serviceable</b>	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The **Sikafloor** top coat should be dry, clean, tack free and free from grease and oil.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300-400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Apply **Sikafloor 162** to a tack free **Sikafloor** top coat evenly by squeegee and roll over with short piled lamb skin roller.

## IMPORTANT NOTES

- \* Do not apply **Sikafloor 162** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 162** in a confined space.
- \* Freshly applied **Sikafloor 162** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

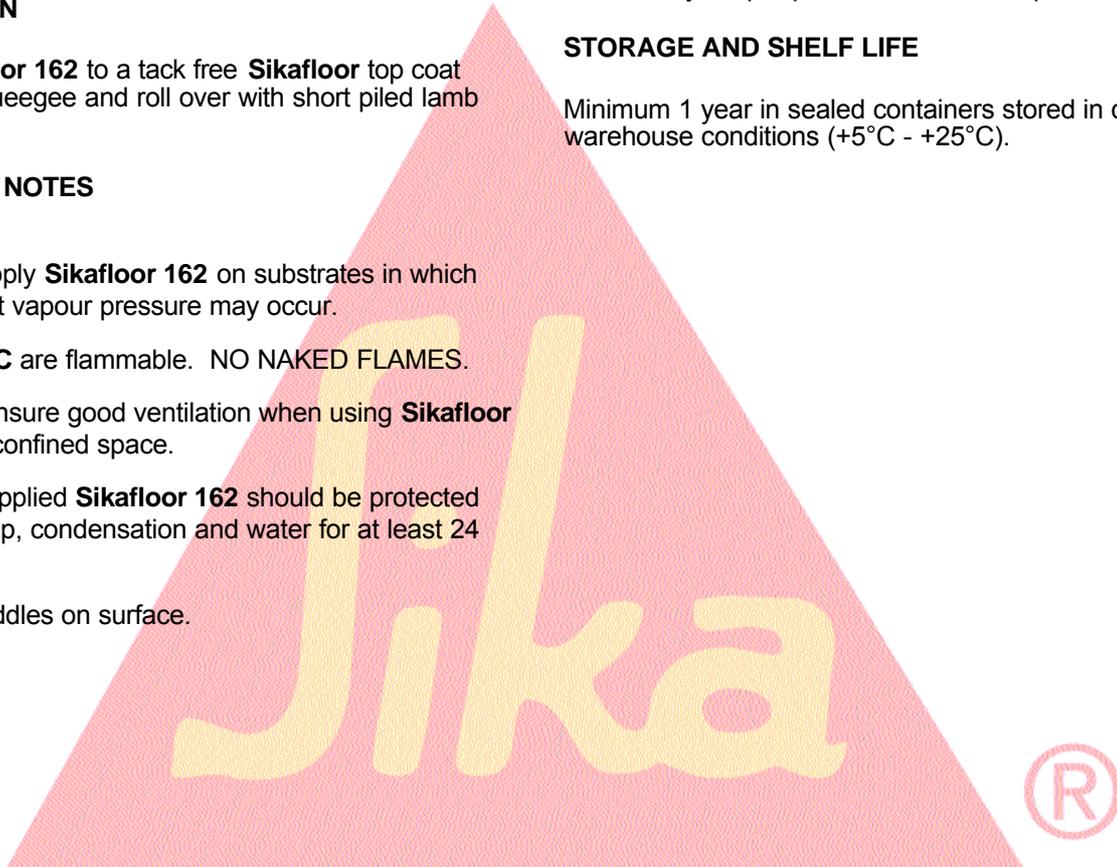
Refer to latest price list

## CONSUMPTION

Approximately 0.5 - 0.7 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 302W New

## Waterbased Polyurethane Seal Coat

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 302W New** is a two component waterbased polyurethane matt finish seal coat. It is available in clear or coloured versions.

#### USES

- \* As a seal coat on **Sikafloor 300 New/303W**.
- \* Seal coat on **Sikafloor**, Epoxy or PU self smoothing or broadcast floors.

#### ADVANTAGES

- \* Low solvent content.
- \* Virtually odour free.
- \* Water based.
- \* Easy to clean.
- \* Excellent aesthetics.
- \* Improves aesthetics of resin floors.
- \* Matt finish.
- \* Accepts foot traffic after 24 hours.
- \* Ductile.

#### FLOOR COATING SYSTEM:

- Top coat:** **Sikafloor 300 New** or other **Sikafloor** epoxy or PU topping.
- Seal coat:** 1 - 2 x **Sikafloor 302W New**.
- Material consumption:** Approx 0.1 - 0.2 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Clear or by RAL number (see price list for availability)
<b>Density (SG):</b>	Approx 1.0 kg/litre
<b>Volume solids:</b>	Approx 90%
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH
<b>Additional application information:</b>	+10°C   +20°C   +30°C
<b>Final drying times:</b>	
<b>Foot traffic</b>	48 hrs   24 hrs   12 hrs
<b>Fully serviceable</b>	14 days   7 days   5 days

All above values are approximate.



## SURFACE PREPARATION

The **Sikafloor** top coat should be clean, dry and tack free and free from grease and oil.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300-400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Apply **Sikafloor 302W New** evenly onto tack free **Sikafloor** top coat by brush or roller.

## IMPORTANT NOTES

- \* Do not apply **Sikafloor 302W New** on substrates in which significant vapour pressure may occur.
- \* Always ensure good ventilation when using **Sikafloor 302W New** in a confined space.
- \* Freshly applied **Sikafloor 302W New** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* End of pot life not noticeable.
- \* At low temperatures and high humidity curing will be delayed.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

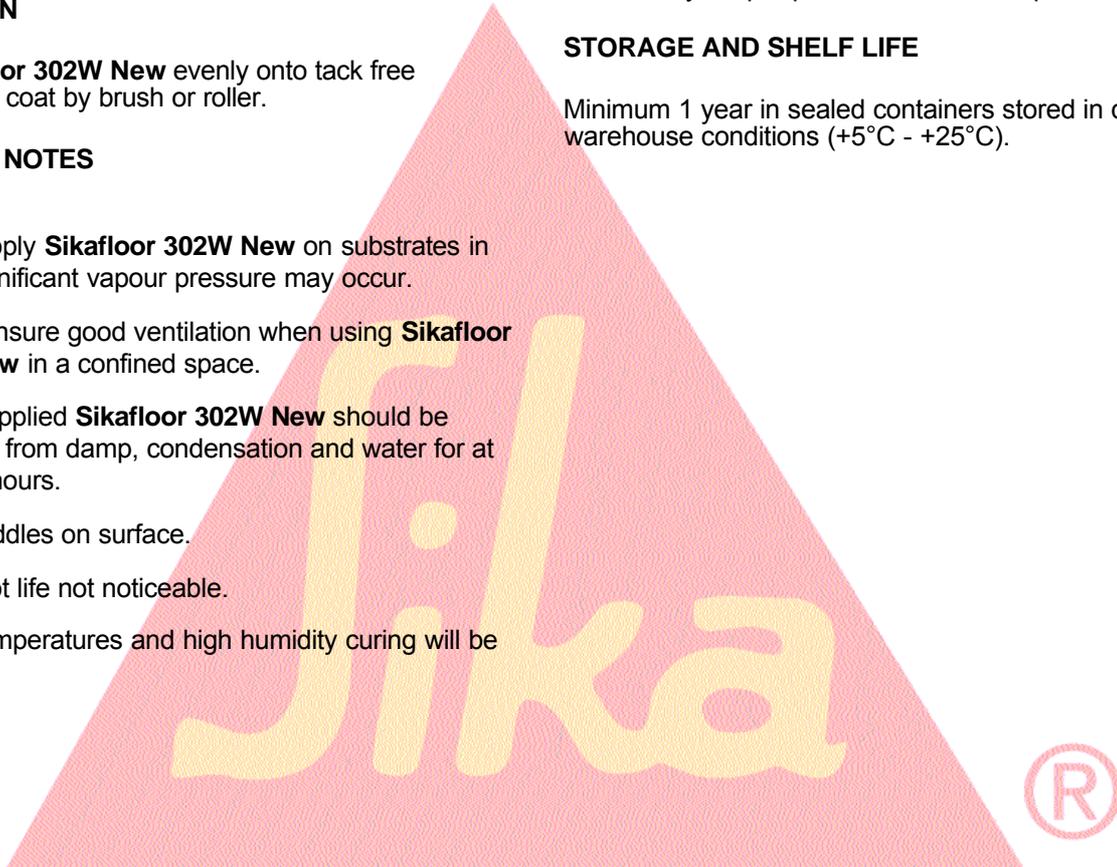
Refer to latest price list

## CONSUMPTION

Approximately 0.1 - 0.2 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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Please consult our Technical Sales Department for further information

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# Sikafloor® 356N

## Clear Polyurethane UV Resistant Matt Finish Seal Coat

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 356N** is a two component solvented clear polyurethane matt finish seal coat with excellent resistance to the effects of UV light.

#### USES

- \* As a matt seal coat on **Sikafloor** epoxy or polyurethane self smoothing screeds.
- \* As a matt sealer on **Sikafloor** coatings or toppings.

#### ADVANTAGES

- \* Excellent resistance to yellowing by UV light.
- \* Colour stable.
- \* Tough.
- \* Durable.
- \* Good chemical resistance.
- \* Easy to apply.
- \* Fast curing.

#### FLOOR COATING SYSTEM:

**Top coat:** Epoxy or polyurethane resin screed

**Sealer coat:** 1 - 2 x **Sikafloor 356N**

**Material consumption:** Approx 0.15 - 0.25 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Clear/transparent		
<b>Density (SG):</b>	Approx 0.97 kg/litre		
<b>Volume solids:</b>	Approx 68%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max		
<b>Additional application information:</b>	10°C	20°C	30°C
<b>Pot life:</b>	-	30 mins	-
<b>Working time on substrate:</b>	120 mins	60 mins	20 mins
<b>Waiting time between coats:</b>			
min	48 hours	24 hours	18 hours
max	3 days	2 days	2 days
<b>Final drying times:</b>			
Foot traffic:	48 hours	24 hours	16 hours
Lightly serviceable:	5 days	2 days	1 day
Fully serviceable:	1 day	7 days	3 days
All above values are approximate.			

## SURFACE PREPARATION

The **Sikafloor** top coat should be dry, clean, tack free and free from grease and oil.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Apply **Sikafloor 356N** evenly to tack free **Sikafloor** top coat by brush or roller. Use a short pile roller.

## IMPORTANT CONSIDERATIONS

- \* Both **Sikafloor 356N** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 356N** in a confined space.
- \* Freshly applied **Sikafloor 356N** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* For outdoor applications, self smoothing screed or coating must also be colour stable.
- \* **Sikafloor 356N** as a clear coating cannot stop yellowing of coloured **Sikafloor** product onto which it is applied. For this purpose use a coloured seal coat product such as **Sikafloor 357N**.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.15 - 0.25 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 357N

## Coloured Polyurethane Silk Gloss Finish Seal Coat

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 357N** is a low viscosity, coloured two component solvented ductile seal coat based on polyurethane offering a silk gloss finish and a wide colour range and excellent resistance to yellowing.

#### USES

- \* As a seal coat on **Sikafloor** Polyurethane, Epoxy and PU/epoxy systems.

#### ADVANTAGES

- \* Excellent colour stability.
- \* Low viscosity.
- \* Tough.
- \* Flexible.
- \* Easy to apply.
- \* Excellent coverage.
- \* Smooth finish.
- \* Wide colour range.

#### FLOOR COATING SYSTEM:

**Top coat:** **Sikafloor** Epoxy, Polyurethane or PU Epoxy system

**Seal coat:** 1 - 2 x **Sikafloor 357N**

**Material consumption:** Approx 0.1 - 0.15 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

**Colour:** Refer to colour chart and current price list for availability and minimum order quantities.

**Density (SG):** Approx 1.3 kg/litre

**Volume solids:** Approx 61%

**Application temperatures & humidity conditions:** +10°C min, +30°C max (Substrate and ambient)  
RH 80% max

**Substrate M.C. & RH:** ≤4% by Wt or ≤75% RH

**CHEMICAL RESISTANCE:** Refer to chart (Consult Sika Ltd for additional Information)

**Additional application information:** +10°C +20°C  +30°C

**Pot life:** 60 mins 30 mins 15 mins

#### Waiting time between coats:

min	24 hrs	12 hrs	6 hrs
max	4 days	2 days	1 days

#### Final drying times:

Foot traffic:	48 hrs	24 hrs	12 hrs
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The **Sikafloor** top coat should be clean dry and non tacky and free from grease and oil.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Apply the product by means of a short pile roller. Use of a high quality non-shedding roller will improve the aesthetics of the cured material. Evenly spread to a thin film and do not pond.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 357N** on substrates in which significant vapour pressure may occur.
- \* Both **Sikafloor 357N** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 357N** in a confined space.
- \* Freshly applied **Sikafloor 357N** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Use a short hair, fluff free roller for application.
- \* Certain colours (yellow, orange) may require a second coat to achieve good opacity if the base material has a different colour.

## CLEANING

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.1 - 0.15 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

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# Sikafloor<sup>®</sup> 220W

## Water Based Epoxy Conductive Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 220W** is a two component water based epoxy resin coating of high electrostatic conductivity.

#### USES

- \* As a highly conductive intermediate layer under all anti-static/conductive **Sikafloor** finishes.

#### ADVANTAGES

- \* Solvent free.
- \* Electrostatically conductive.
- \* Easy application.
- \* Fast drying and curing.
- \* Low  $\Omega$  value.
- \* Excellent bond.
- \* Durable.
- \* Excellent coverage.

#### FLOOR COATING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 156/157**.

**Anti-static layer:** 1 x **Sikafloor 220W**.

**Top coat:** Any antistatic/conductive **Sikafloor** finish.

**Material consumption:** Approx 0.10 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Black		
<b>Density (SG):</b>	Approx 1.0 kg/litre		
<b>Volume solids:</b>	Approx 40%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by wt or ≤75% RH		
<b>Electrical resistance (RA):</b>	10 <sup>3</sup> - 10 <sup>4</sup> Ohms		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	2-2.5 hrs	1.5-2 hrs	0.5-1hr
<b>Waiting time between coats:</b>			
min	24 hrs	15 hrs	10 hrs
max	7 days	5 days	4 days
<b>Final drying times:</b>			
Foot traffic:	20 hrs	13 hrs	8 hrs

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup> ). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt & >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a DPM system.

Fix conductor tapes/electrodes, if required, in accordance with designers anti-static electrode design.

Apply **Sikafloor 220W** to the primed tack free substrate and over tapes/electrodes by brush or roller.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 220W** on substrates in which significant vapour pressure may occur.
- \* Do not blind underlying layers.
- \* Always ensure good ventilation when using **Sikafloor 220W** in a confined space.
- \* Freshly applied **Sikafloor 220W** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Do not exceed consumption rates.
- \* Check electrical resistance of **Sikafloor 220W** after the required earth connection points have been installed and prior to the application of conductive/ anti-static top coat.

## CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.10 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage).  
Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 7530AS

## Coloured Epoxy Anti-Static High Build Textured Coating

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 7530AS** is a two component low solvent, coloured epoxy, anti-static high build textured coating. The material produces an electrically conductive coating for internal floors with enhanced slip resistance.

#### USES

- \* Explosion risk areas.
- \* Computer rooms.
- \* Electrical equipment production areas.
- \* CNC tooling machines.
- \* Sensitive electronic equipment areas.
- \* Induction guided transport systems.
- \* Pharmaceutical production areas.

#### ADVANTAGES

- \* Electrically conductive/antistatic.
- \* Chemical and mechanical resistant.
- \* Easy to apply.
- \* Low solvent.
- \* Slip resistant.
- \* Easy to clean.
- \* Durable.
- \* Economical.
- \* Seamless.
- \* Easily maintained.

#### FLOOR COATING SYSTEM:

**Primer:** 1 - 2 x **Sikafloor 156/157.**

**Anti-static layer:** 1 x **Sikafloor 220W**

**Top coat:** 1 x **Sikafloor 7530AS**

**Material Consumption:** Approx 0.6 kg/m<sup>2</sup> per coat.

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.		
<b>Density (SG):</b>	Approx 1.9 kg/litre		
<b>Volume solids:</b>	Approx 81%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max		
<b>Substrate M.C.&amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Application thickness:</b>	0.5 mm minimum 1.0 mm maximum		
<b>MECHANICAL PROPERTIES:</b>			
<b>Abrasion resistance: (Taber)</b>	80 mg		
<b>Shore D hardness:</b>	80		
<b>Electrical resistance (RA):</b>	10 <sup>4</sup> - 10 <sup>5</sup> Ohms		
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 80°C		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart. (Consult Sika Ltd for additional information)		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	45 mins	25 mins	10 mins
<b>Waiting time between coats:</b>			
min	48 hrs	24 hrs	20 hrs
max	5 days	4 days	2 days
<b>Final drying times:</b>			
Foot traffic:	30 hrs	20 hrs	15 hrs
Lightly serviceable:	7 days	4 days	3 days
Fully serviceable:	10 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If  $\leq 4\%$  by wt or  $\leq 75\%$  RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Apply **Sikafloor 7530AS** onto tack free **Sikafloor 220W** by brush or roller. Back roller with textured roller to achieve desired finish.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 7530AS** on substrates in which significant vapour pressure may occur.
- \* Both **Sikafloor 7530AS** and **Thinner C** are flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 7530AS** in a confined space.
- \* Freshly applied **Sikafloor 7530AS** should be protected from damp, condensation and water for at least 24 hours.
- \* Avoid puddles on surface.
- \* Exposure to chemicals may cause slight discolouration.
- \* Thick layers (material consumption  $>0.7$  kg/m<sup>2</sup>) will affect conductivity.
- \* Carbon fibres within the product may affect exact colour matching.

## CLEANING EQUIPMENT

Use **Thinner C** Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.6 kg/m<sup>2</sup> (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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# Sikafloor® 262AS

## Coloured Anti-Static Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 262AS** is a two component, solvent free, coloured, electrostatically conductive resin flooring system filled with sand to produce a self smoothing screed.

#### USES

- \* Explosion risk areas.
- \* Computer rooms.
- \* Electrical component production areas.
- \* Sensitive electronic component areas.
- \* Induction guided transport systems.
- \* Hospitals.
- \* Laboratories.
- \* Power plants.

#### ADVANTAGES

- \* Electrically conductive/anti-static.
- \* Good mechanical resistance.
- \* Impervious.
- \* Abrasion resistant.
- \* Fast curing.
- \* Solvent free.
- \* High durability.
- \* Joint less system are possible.
- \* Easy to maintain.

#### FLOOR COATING SYSTEM:

<b>Primer:</b>	1 - 2 x <b>Sikafloor 156/157.</b>
<b>Conductive layer:</b>	1 x <b>Sikafloor 220W.</b>
<b>Top coat:</b>	1 x <b>Sikafloor 262AS</b>
<b>Material consumption:</b>	Approx 1.7 kg/m <sup>2</sup> per mm (filled 40% with quartz sand)

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.		
<b>Density (SG):</b>	Approx 1.5 kg/litre (unfilled) Approx 1.7 kg/litre (filled 40%)		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 80% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by wt or ≤75% RH		
<b>Application thickness:</b>	1.0 - 3.0 mm (filled 40%)		
<b>MECHANICAL PROPERTIES:</b>			
<b>Compressive strength:</b>	>65 N/mm <sup>2</sup>		
<b>Tensile strength:</b>	>45 N/mm <sup>2</sup>		
<b>Abrasion resistance: (Taber)</b>	65 mg		
<b>Shore D hardness:</b>	81		
<b>Electrical resistance:</b>	10 <sup>4</sup> - 10 <sup>5</sup> Ohms Variable with layer thickness.		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information).		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 mins	30 mins	15 mins
<b>Waiting time between coats:</b>			
min	24 hrs	15 hrs	10 hrs
max	7 days	5 days	3 days
<b>Final drying times:</b>			
Foot traffic:	3 days	2 days	24 hrs
Lightly serviceable:	6 days	4 days	2 days
Fully serviceable:	10 days	7 days	5 days
All above values are approximate.			

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup> ). Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Add kiln dried quartz sand (up to 0.1-0.3 mm F34 40% by wt) gradually while mixing then thoroughly mix for further 2 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt & >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a DPM system.

Pour **Sikafloor 262AS** onto tack free **Sikafloor 220W** and spread evenly to the required thickness. Roll immediately in two directions with spiked roller.

For application of conductor tapes/electrodes see **Sikafloor 220W** data sheet.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 262AS** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 262AS** in a confined space.
- \* Freshly applied **Sikafloor 262AS** should be protected from damp, condensation and water for at least 24 hours.
- \* Rough surfaces should be levelled first as varying thickness of **Sikafloor 262AS** will affect conductivity.
- \* For inclined and vertical surface add 2%-4% by wt of **Extender T**.
- \* Do not blind underlying layers.
- \* Carbon fibres within the product may affect exact colour matching.
- \* When overlaying existing anti-static floor systems contact Sika Limited for technical advice.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.7 kg/m<sup>2</sup>/mm (filled). (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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# Sikafloor® 381AS

## Coloured Highly Chemical Resistant Anti-Static Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 381AS** is a two component, solvent free, coloured, highly chemically resistant anti-static epoxy resin flooring system, filled with sand to produce a self smoothing screed.

#### USES

- \* Explosion risk areas.
- \* Computer rooms.
- \* Electrical component production areas.
- \* Sensitive electronic component areas.
- \* Induction guided transport systems.
- \* Chemical storage areas.
- \* Solvent storage areas.
- \* Bund areas.
- \* Flammable liquid areas.
- \* Power plants.

#### ADVANTAGES

- \* Electrically conductive/anti-static.
- \* High mechanical resistance.
- \* Excellent chemical resistance.
- \* Impervious.
- \* Abrasion resistant.
- \* Fast curing.
- \* Solvent free.
- \* High durability.
- \* Jointless.
- \* Easy to maintain.

#### FLOOR COATING SYSTEM

<b>Primer:</b>	1 - 2 x <b>Sikafloor 156/157.</b>
<b>Anti-static layer:</b>	1 x <b>Sikafloor 220W.</b>
<b>Top coat:</b>	1 x <b>Sikafloor 381AS</b>
<b>Material consumption:</b>	Approx 1.8 kg/m <sup>2</sup> per mm (filled)

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour swatch and current price list for availability and minimum order quantities.		
<b>Density (SG):</b>	Approx 1.6 kg/litre (unfilled) Approx 1.8 kg/litre (filled)		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 85% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Application thickness:</b>	1.7 mm minimum 2.2 mm maximum		
<b>MECHANICAL PROPERTIES:</b>			
<b>Compressive strength:</b>	>90N/mm <sup>2</sup>		
<b>Tensile strength:</b>	>45 N/mm <sup>2</sup>		
<b>Elongation at break:</b>	2.5%		
<b>Abrasion resistance: (Taber)</b>	60 mg 		
<b>Shore D hardness:</b>	70		
<b>Electrical resistance (RA):</b>	10 <sup>4</sup> - 10 <sup>6</sup> Ohms		
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 120°C		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart. (Consult Sika Ltd for additional information).		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	60 mins	30 mins	20 mins
<b>Waiting time between coats:</b>			
min	24 hrs	18 hrs	6 hrs
max	48 hrs	24 hrs	12 hrs
<b>Final drying times:</b>			
Foot traffic:	2 days	18 hrs	12 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	7 days	6 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Add kiln dried quartz sand (0.1 - 0.3 mm F34 1 : 0.3 by wt) gradually while mixing then thoroughly mix for a further 2 minutes. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour **Sikafloor 381AS** onto tack free **Sikafloor 220W** and spread evenly with twin blade trowel to the required thickness. Roll immediately in two directions with spiked roller.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 381AS** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 381AS** in a confined space.
- \* Freshly applied **Sikafloor 381AS** should be protected from damp, condensation and water for at least 24 hours.
- \* Rough surfaces should be levelled first as varying thickness of **Sikafloor 381AS** will affect conductivity.
- \* For inclined and vertical surface add 2% - 4% by wt of **Extender T**.
- \* Do not blind underlying layers.
- \* Do not use sand as filler for bund wall linings.
- \* Carbon fibres within the product may affect exact colour matching.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.8 kg/m<sup>2</sup>/mm (filled). (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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# Sikafloor® 390AS

## Coloured Chemical Resistant Flexible Anti-Static Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 390AS** is a two component, solvent free, coloured, chemical resistant flexible anti-static epoxy resin flooring system.

#### USES

- \* Explosion risk areas.
- \* Computer rooms.
- \* Electrical component production areas.
- \* Sensitive electronic component areas.
- \* Induction guided transport systems.
- \* Chemical storage areas.
- \* Solvent storage areas.
- \* Bund areas.
- \* Flammable liquid areas.
- \* Power plants.
- \* Water containment structures.
- \* Decontamination areas.

#### ADVANTAGES

- \* Electrically conductive/anti-static.
- \* Good mechanical resistance.
- \* Good chemical resistance.
- \* Flexible.
- \* Abrasion resistant.
- \* Fast curing.
- \* Solvent free.
- \* High durability.
- \* Easy to maintain.
- \* Jointless.

#### FLOOR COATING SYSTEM

**Primer:** 1 - 2 x **Sikafloor 156/157.**

**Anti-static layer:** 1 x **Sikafloor 220W**

**Top coat:** 1 x **Sikafloor 390AS**

**Material consumption:** Approx 1.6 kg/m<sup>2</sup> per mm

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities.		
<b>Density (SG):</b>	Approx 1.6 kg/litre		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min, +30°C max (Substrate and ambient) RH 85% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>Application thickness:</b>	1.0 mm minimum 3.0 mm maximum		
<b>MECHANICAL PROPERTIES:</b>			
<b>Abrasion resistance: (Taber)</b>	75 mg		
<b>Shore D hardness:</b>	60		
<b>Electrical resistance (RA):</b>	10 <sup>4</sup> - 10 <sup>6</sup> Ohms		
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 120°C		
<b>Crack bridging: (Static)</b>	0.2 mm		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information).		
<b>Additional application information:</b>	+10°C	+20°C	+30°C
<b>Pot life:</b>	2 hrs	60 mins	30 mins
<b>Waiting time between coats:</b>			
min	24 hrs	12 hrs	6 hrs
max	2 days	24 hrs	12 hrs
<b>Final drying times:</b>			
Foot traffic:	2 days	1 day	18 hrs
Lightly serviceable:	5 days	3 days	2 days
Fully serviceable:	7 days	7 days	5 days

All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

## APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

Pour **Sikafloor 390AS** onto tack free **Sikafloor 220W** and spread evenly with twin blade trowel to the required thickness. Roll immediately in two directions with spiked roller.

## IMPORTANT CONSIDERATIONS

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 390AS** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 390AS** in a confined space.
- \* Freshly applied **Sikafloor 390AS** should be protected from damp, condensation and water for at least 24 hours.
- \* Rough surfaces should be levelled first as varying thickness of **Sikafloor 390AS** will affect conductivity.
- \* For inclined and vertical surface add 2% - 4% by wt of **Extender T**.
- \* Carbon fibres within the product may affect exact colour matching.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 1.6 kg/m<sup>2</sup>/mm (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

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