For more information on Sika visit www.barbourproductsearch.info

March 2001

Sikaflex®-11FC+

Fast Curing One Part Polyurethane Universal Sealant/Adhesive

Technical Data Sheet

DESCRIPTION

Sikaflex-11FC+ is a one part, gun grade dual purpose adhesive and sealing compound of permanent elasticity. It is based on a special moisture cured polyurethane with an accelerated curing time.

USES

Elastic adhesive for:

* Cover plates, gaskets and coverings.
* Acoustic ceiling tiles.
* Floor mouldings and door sills.
* Lightweight construction materials.
* Wood, metal or plastic window and door frames.
* Roof tiles.

Elastic joint sealant for:

* Flexible draught proofing.
* Air ducts and high vacuum systems.
* Containers, tanks and silos.
* Aquariums.
* Gaskets in openings in walls or floors for ducts, piling, etc.
* Reservoirs or potable water retaining structures. (DWI Clause 25 (1) b)
* Flanges, crimping and interlocking surfaces.
* Aluminium fabrication.
* Bolted tap joints.

ADVANTAGES

* Excellent adhesion on all cement based materials, brick, ceramics, glass, metals, wood, epoxy, polyester, acrylic resin, plastics.
* Fast cure rate.
* Good weathering and water resistance.
* Non-corrosive.
* Can be painted over with water, oil and rubber based paints. (Preliminary tests recommended.)
* High durability.
* Non-sag on vertical joints up to 40 mm width.
* Suitable for potable water contact.

Technical Data (typical)

Colours:	Black, white, beige, grey, brown
Density:	1.15 - 1.2 kg per litre
Movement Accommodation Factor (MAF):	12.5%
BS ISO 11600 classification:	F-12.5E Mortar, brick, oak, anodised aluminium
Service temperature range:	-40°C to +80°C
Curing rate:	3 mm/day (+20°C / 65% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	40 - 45 after 28 days (+23°C / 50% RH)
Tack free time:	1 - 2 hours (+23°C / 50% RH)
Elastic recovery:	> 90%
Elongation at break:	> 450%
Tensile strength at break:	> 1.4 N/mm^2
Maximum joint width:	40.0mm
Minimum joint depth for expansion joints:	8.0mm

Approved for potable water contact.
Details available on request.

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to sealing.

PRIMING

Priming is recommended for all designed movement joints. For the selection of the suitable primer, please consult the **Sikaflex** Primer Chart. Allow primer to become touch dry before applying sealant within minimum and maximum waiting times. When using Sika Primer 3 on moist substrate, maximum substrate moisture content must not exceed 8% by wt.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time before application of **Sikaflex-11FC+**.
* Insert cartridge or sausage into sealant gun and firmly extrude **Sikaflex-11FC+** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-11FC+** should be tooled to a smooth finish.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-11FC+** should not be used for structural glazing.
* Protect the finished joint from water for at least 3 hours.
* **Sikaflex-11FC+** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* Bonded elements may require additional holding or support during curing period.
* **Sikaflex-11FC+** may be painted. However some coatings may crack if movement occurs, preliminary tests recommended.
* White colour material may discolour with age, durability will not be affected.
* **Sikaflex-11FC+** should not be applied to coated substrates.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publications 80)

CONSUMPTION

Theoretical consumption of **Sikaflex-11FC+** per 600cc sausage (without wastage):

$$\text{Length of joint per 600cc (m)} = \frac{600}{\text{Joint width (mm) x joint depth (mm)}}$$

$$\text{Litres per metre run of joint} = \frac{\text{Joint width (mm) x joint depth (mm)}}{1000}$$

STORAGE/SHELF LIFE

15 months from date of production if stored in cool, dry conditions (+ 10°C to + 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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SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

Certified Management System ISO 14001
Certified Quality System ISO 9001/EN 29001

For more information on Sika visit www.barbourproductsearch.info

March 2001

Sikaflex®-Pro 2HP

High Performance One Part Polyurethane Joint Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex-Pro 2HP is a permanently elastic, one component gun grade polyurethane construction sealant, based on new Sika polyurethane technology. The unique two stage cross linking process eliminates many of the problems associated with conventional single stage cross-linking sealants. When combined with the moisture resistant **Sika® Primer 3**, **Sikaflex-Pro 2HP** can be applied to moist substrates.

USES

Sikaflex-Pro 2HP possesses exceptional qualities which makes it universal for sealing all types of external or internal facade joints.

* Expansion joints.
* Construction joints.
* Joints in precast elements.
* External walling and cladding joints.
* Infill panel joints.
* Curtain walling.
* Window and door frame sealing.
* Bridge and balcony parapets.
* Retaining walls.
* Subways.
* Reservoirs and water retaining structures (DWI clause 25 (1) b).
* Basements.

ADVANTAGES

* One component – ready for use.
* No mixing or heating.
* Excellent adhesion on moist substrates with unique priming system.
* Reduced primer waiting time.
* Extremely durable.
* Good sag resistance.
* Short tack-free time.
* Extended shelf life.
* Bubble-free curing system.
* Suitable for contact with drinking water.
* Permanently elastic over a wide range of temperatures.
* No plasticiser migration.
* No staining on joint edges.
* Can be overpainted.
* Environmental packaging.
* Low dirt pick up.

Technical Data (typical)

Colour:	Black white, beige, grey, brown
Density:	1.2 - 1.3 kg/litre
Movement accommodation factor (MAF):	25%
BS ISO 11600 classification:	F-25HM - brick F-25LM - mortar, oak, anodised aluminium
Service temperature: Range:	-30°C to + 70°C
Cure rate:	2 mm/day (+23°C / 50% RH)
Application temperature:	+5°C to +40°C (Substrate and ambient)
Shore A hardness:	20 - 25 after 28 days (+23°C / 50% RH)
Tack free time:	1 - 2 hours (+23°C / 50% RH)
Elastic recovery:	> 80%
Elongation at break:	> 800%
Tensile strength at break:	> 1.5N/mm^2
Tear resistance:	> 7 N/mm^2
Maximum joint width:	35.0 mm
Minimum joint depth for expansion joints:	8.0 mm
Minimum joint width for window caulking:	10.0 mm
Modulus:	< 0.4 N/mm^2 @ +23°C (100% elongation) < 0.6 N/mm^2 @ -20°C (60% elongation)

Approved for potable water contact.
Details available on request.

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to sealing.

PRIMING

For the selection of the suitable primer, please consult the Primer Chart. When using **Sika Primer 3** on moist substrate, maximum substrate moisture content must not exceed 8%.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time.
* Firmly extrude **Sikaflex-Pro 2HP** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-Pro 2HP** should be tooled to a smooth finish.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-Pro 2HP** should not be used for structural glazing.
* Protect the finished joint from water for at least 4 hours.
* **Sikaflex-Pro 2HP** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* For tooling off, do not use “soap” which may discolour the sealant.
* **Sikaflex-Pro 2HP** may be painted. However some coatings may crack if movement occurs, preliminary tests recommended.
* Joints wider than 25 mm should normally be triangulated in accordance with standard practice.
* **Sikaflex-Pro 2HP** should not be applied to substrates coated with **SikaGard®** concrete protective coatings.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publications 80)

CONSUMPTION

Theoretical consumption of **Sikaflex-Pro 2HP** per 600cc sausage (without wastage):

$$\text{Length of joint per 600cc (m)} = \frac{600}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres per metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

STORAGE AND SHELF LIFE

15 months from date of production if stored in cool, dry conditions (+10°C to +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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July 2001

Sikaflex®-Windowseal

One Part Polyurethane Window Joint Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex-Windowseal is a specially developed one part, low modulus, gun grade polyurethane based elastomeric joint sealant. It cures rapidly under the influence of atmospheric moisture to form a highly elastic material with excellent adhesion, resistance to weathering and capable of being overpainted.

USES

Sikaflex-Windowseal possesses exceptional qualities which make it the ideal multi-purpose window sealant for both internal and external applications.

* The perimeter sealing of all types of windows and door frames. Treated wood, aluminium, powder coated aluminium and PVCu.
* Bonding accessories such as architraves, weather boards etc.
* Bonding window boards and eliminating the need for mechanical fixing.
* Internal sealing and bonding to plaster without shrinkage and cracking in the plaster line.
* In conservatories, the sealing of perimeter joints between new and existing structure. Plus the sealing between the various bolted sections to achieve a watertight joint.

ADVANTAGES

* Excellent unprimed adhesion.
* Easy to apply and tool off.
* One component – no inconsistency due to mixing.
* Environmental packaging choice of cartridge or sausage.
* Permanently elastic over a wide temperature range.
* Can be overpainted with oil, water and rubber based paints.
* Non staining.
* Reduced wastage.
* Tolerance to damp surfaces.
* Correctly applied **Sikaflex-Windowseal** is maintenance free. However, its excellent self bonding properties enable any damage to be repaired and underfilled joints to be topped up where required.

Technical Data (typical)

Colour:	White and brown
Density:	1.3 kg/litre
Movement Accommodation Factor (MAF):	25%
BS ISO 11600 classification:	F-25LM
Service temperature range:	-40°C to +80°C
Cure rate:	2 mm/day (+20°C / 65% RH)
Application temperature:	+5°C min, 35°C max (Substrate and ambient)
Shore A hardness:	15 - 20 after 28 days
Tack free time:	3 - 5 hours (+23°C / 50% RH)
Elastic recovery:	>80%
Maximum joint width:	30.0 mm
Minimum joint depth for expansion joints:	8.0 mm
Modulus:	<0.1 N/mm^2 @ 50% elongation

Sikaflex-Windowseal complies with the performance requirements of:

BS8213 - Code of Practice for the installation of replacement windows and doorsets in dwellings

The Code of Practice for the installation of white high impact modified PVCu windows (Glass and Glazing Federation and the British Plastics Federation).

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces should be sound, clean, dry and free from any contaminants.

PRIMING
(for additional advice consult the Sealant Primer Data Chart)

Priming is not normally required for gap sealing on PVCu, ceramics, stainless steel, anodised aluminium, synthetic veneers, epoxy coatings, G.R.P., most timbers. Woods treated with high quality preservative treatments (e.g. Sadolin), do not normally require priming. Porous surfaces may require priming for maximum adhesion.

APPLICATION

* Insert **Sika Joint Backing Rod** to required depth.
* Apply appropriate primer if necessary to joint sides and observe waiting time before application of **Sikaflex-Windowseal**.
* Insert cartridge or sausage into sealant gun and firmly extrude **Sikaflex-Windowseal** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-Windowseal** should be tooled to a smooth finish.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-Windowseal** should not be used for structural glazing.
* **Sikaflex-Windowseal** should be used with care in resealing joints that were previously filled with silicone sealants. Silicone residue must be removed.
* Bonded elements may require additional holding or support during curing period.
* **Sikaflex-Windowseal** may be overpainted. However some paints may crack if movement occurs, preliminary tests recommended.
* Do not use **Sikaflex-Windowseal** in contact with materials containing bitumen or pitch.

CLEANING

Clean tools immediately with **Sika® Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikaflex-Windowseal** per 600cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{600}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

9 months from date of production if stored in cool, dry conditions (+10°C to +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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Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
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March 2001

Sikaflex®-15LM

One Part Polyurethane Joint Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex-15LM is a one part gun grade polyurethane based joint sealant of low modulus.

It cures under the influence of atmospheric moisture to form a soft rubber like material with excellent elastic and adhesive properties.

USES

Sikaflex-15LM is suitable for most building facade joints including sealing around doors and windows.

* Expansion joints.
* Joints in pre-cast elements.
* External walling and claddings.
* Curtain walling.
* Infill panel joints.
* Window and door frame sealing.
* Conservatories.

ADVANTAGES

* One component, no site mixing.
* Easy to apply.
* Highly elastic and low modulus.
* Excellent durability, 30 year track record.
* Self bonding, easily repaired.
* Wide colour range available.
* 600 cc aluminium foil packaging, low wastage.
* Overpaintable (test recommended).

Technical Data (typical)

Colour:	White, Black, Brown, Grey, Beige
Density:	1.3 kg/litre
Movement Accommodation Factor (MAF):	25%
BS ISO 11600 classification:	F - 25LM - mortar, brick, oak, anodised aluminium
Service temperature Range:	-40°C to 80°C
Cure rate:	2 mm/day (+20°C / 65% RH)
Application temperature:	+5°Cmin, +40°C max (Substrate and ambient)
Shore A hardness:	15 - 20 after 28 days (23°C / 50% RH_)
Tack free time:	4 to 6 hours (+23°C / 50% rh)
Elastic recovery:	> 80%
Tensile strength at 100% elongation:	0.2 N/mm²
Maximum joint width:	35 mm
Minimum joint depth for expansion joints:	10 mm
Modulus:	0.10 N/mm² @ 50% elongation

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit EG1** prior to joint sealing.

PRIMING

For the selection of the suitable primer, please consult the Primer Chart. When using **Sika Primer 3** on moist substrate, maximum substrate moisture content must not exceed 8%.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time.
* Firmly extrude **Sikaflex-15LM** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-15LM** should be tooled to a smooth finish.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-15LM** should not be used for structural glazing.
* Protect the finished joint from water for at least 24 hours.
* **Sikaflex-15LM** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* Bonded elements may require additional holding or support during curing period.
* **Sikaflex-15LM** may be painted. However some coatings may crack if movement occurs, prelinary tests recommended.
* White colour material may discolour with age, durability will not be affected.
* Air bubbles can form when **SIkaflex-15LM** is applied to uneven or porous substrate, paticularly in extreme temperatures and high humidity.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80)

CONSUMPTION

Theoretical consumption of **Sikaflex-15LM** per 600cc sausage (without wastage):

$$\text{Length of joint per 600cc (m)} = \frac{600}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres per metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

STORAGE AND SHELF LIFE

12 months from date of production if stored in cool, dry conditions (@ +10°C to +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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March 2001

Sikaflex®-1A+

One Part High Performance Polyurethane Joint Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex-1A+ is a single component gun grade polyurethane based sealant for both building and civil engineering structures.

It cures under the influence of atmospheric moisture to form a tough elastic seal with excellent adhesive properties and resistance to ageing and weathering.

USES

Sikaflex-1A+ is particularly suitable for sealing movement joints in water retaining structures.

* Potable Water Structures (DWI Clause 25 (1) b)
* Dirty water structures.
* Bridge parapet joints.
* Construction/movement joints in civil structures.
* Retaining walls.

ADVANTAGES

* One part - no mixing on site.
* Outstanding adhesion.
* Proven durability, 30 year track record.
* Self bonding, easily repaired.
* Easy to install.
* Suitable for contact with potable water.

Technical Data (typical)

Colour:	Grey
Density:	1.2 kg/litre
Movement Accommodation Factor (MAF):	25%
BS ISO 11600 classification:	F - 25HM - brick F - 25LM - mortar
Service temperature range:	-40°C to +70°C Upto +40°C in water
Cure rate:	2 mm/day (20°C / 65% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	20 after 28 days
Tack free time:	1 - 2 hours (+23°C / 50% RH)
Elastic recovery:	> 70%
Tensile strength at 20% elongation:	0.1 N/mm²
Maximum joint width:	35 mm
Minimum joint depth for expansion joints:	10 mm
Modulus:	< 0.10 N/mm² @ 20% elongation

Approved for potable water contact.
Details available on request.

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

For the selection of the suitable primer, please consult the Primer Chart. When using **Sika Primer 3** on moist substrate, maximum substrate moisture content must not exceed 8%.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time.
* Firmly extrude **Sikaflex-1A+** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-1A+** should be tooled to a smooth finish.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-1A+** should not be used for structural glazing.
* Protect the finished joint from water for at least 24 hours.
* **Sikaflex-1A+** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* Bonded elements may require additional holding or support during curing period.
* **Sikaflex-1A+** may be painted. However some coatings may crack if movement occurs, preliminary tests recommended.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80)

CONSUMPTION

Theoretical consumption of **Sikaflex-1A+** per 600cc sausage (without wastage):

$$\text{Length of joint per 600cc (m)} = \frac{600}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres per metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

STORAGE AND SHELF LIFE

9 months from date of production if stored in cool, dry conditions (+10°C to +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.

Please consult our Technical Sales Department for further information

SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

Certified Management System ISO 14001
Certified Quality System ISO 9001/EN 29001

For more information on Sika visit www.barbourproductsearch.info

October 2002

Sikaflex®-Pro 3WF

One Part Chemical resistant Polyurethane Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex-Pro 3WF is a permanently elastic, one part gun grade polyurethane construction sealant, based on new Sika polyurethane technology. The unique two stage cross linking process eliminates many of the problems associated with conventional single stage cross-linking sealants. When combined with the water resistant primer, **Sikaflex-Pro 3WF** can be applied to moist substrates.

USES

* Industrial floors
* Containment bunds
* Sewage treatment plants
* Car parks
* Balconies
* Retaining walls
* Footbridges
* Sewer pipes

ADVANTAGES

* Excellent bond to most construction materials
* Good chemical resistance
* One component - ready for use
* No mixing or heating
* Excellent adhesion on moist substrates with unique priming system
* Reduced primer waiting time
* Extremely durable
* Bubble free curing system
* Permanently elastic over a wide range of temperatures
* Good sag resistance
* Good water resistance
* Good mechanical properties.

Technical Data (typical)

Colour:	Black, white, beige, grey, brown
Density:	1.3 kg/litre
Movement Accommodation Factor (MAF):	20%
BS ISO 1160 Classification:	F-20 HM
Service temperature range:	-40°C min, +80°C max
Cure rate:	2 mm/day (+20°C / 65% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	35 after 28 days (+23°C / 50% RH)
Tack free time:	1 - 2 hours (+23°C / 50% RH)
Elastic recovery:	Approx 80%
Tensile strength at break:	> 1.4 N/mm^2
Maximum joint width:	40.0 mm
Minimum joint depth for expansion joints:	10.0 mm
Chemical resistance:	Refer to chart Good chemical resistance to a wide range of chemicals. Swelling possible. Refer to chemical resistance chart. Contact Sika Ltd for information.

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel must be protected by an anti-corrosion primer such as **Icosit® EG1** prior to sealing.

PRIMING

For the selection of the suitable primer, please consult the Primer Chart. When using **Sika® Primer 3** on moist substrate, maximum substrate moisture content must not exceed 8%.

APPLICATION

Insert **Sika Joint Backing Rod** to required depth.

* Apply appropriate primer to joint sides and observe waiting time.
* Firmly extrude **Sikaflex-Pro 3WF** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-Pro 3WF** should be tooled to a smooth finish.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikaflex-Pro 3WF** should not be used for structural glazing.
* Protect the finished joint from water for at least 3 hours.
* **Sikaflex-Pro 3WF** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* **Sikaflex-Pro 3WF** should not be applied to coated substrates.
* Avoid contact with hot bitumen.
* Slight colour variations may occur from exposure to chemicals and UV radiation.
* Do not use detergents or soap during tooling operation as chemical resistance may be affected.
* Chemical exposure and joint movements more than 10% is not permitted during curing.
* In case of chemical exposure the resistance of the sealant is limited. Joints exposed to chemicals are service joints and may have to be refurbished after exposure.
* Not recommended for swimming pool chemical exposure.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publications 80).

CONSUMPTION

Theoretical consumption of **Sikaflex-Pro 3WF** per 600cc sausage (without wastage):

$$\text{Length of joint per 600cc (m)} = \frac{600}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres per metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

STORAGE AND SHELF LIFE

1 year from date of production if stored in cool, dry conditions (+10°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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SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

For more information on Sika visit www.barbourproductsearch.info

Sikaflex® PUR-tape-system

Elastic joint tape-system for refurbishment of old and sealing of under- or oversized joints.

System description:

The Sikaflex PUR-tape and SikaBond-TB produce an efficient sealing system for the sealing of joints in building construction.

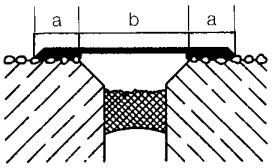
System properties:

- **according to German IVD-leaflet no. 4, class 2**
- **easy and quick application without problems**
- **application of adhesive on one side only**
- **no pre-treatment of the tape**
- **also suitable for uneven substrates**
- **permanent flexible sealing**

Installation systems:

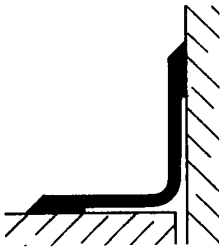
bridging of joint (even):

bridging of a damaged joint in fair façed concrete (the old sealant may remain in joint):



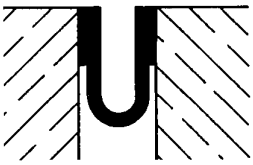
a = adhesive area
b = expansion zone

forming of a corner joint



joint bridging with fixing in chamfer:

joint bridging with a loop, allowing wide joint movements.



For more information on Sika visit www.barbourproductsearch.info

Hints on application:

The Sikaflex PUR-tape is fixed with the 1-comp. PUR-adhesive SikaBond-TB. Fixing areas are the marginal stripes on both sides, size of each approx. 20% of the tape width.

The substrate must be dry, free from oil, fat and dust. Prior to installation of the tapes paint layers and coatings must be tested for sufficient adhesion and compatibility with SikaBond-TB.

No pre-treating of the joint tape. If necessary remove contaminations (e.g. dirt).

SikaBond-TB is applied in small stripes in a thickness of approx. 3-5 mm on the joint arrises (distance see table expansion zone); the joint tape is laid onto the fresh adhesive and pressed on lightly. The adhesive is applied evenly in a thickness of approx. 2 mm

Butt joints, overlapping areas and cross sections will be connected and sealed with SikaBond-TB, no primer required.

At cross sections the vertical tapes should run through; side tapes are butt-jointed. At the crossing points and butt joints the expansion zones must not be impaired in any way. If necessary these expansion zones must be underlaid with stripes of separating paper or polyethylene membrane (foil). Do not fix the expansion zone of the Elastomer-joint tape at the lower end in order to ensure a pressure balance.

The composition of a soft, slightly flexible joint-overlapping with SikaBond-TB is very important for the function of the joint sealing with Sikaflex PUR-tape. Sikaflex PUR-tape and SikaBond-TB are supplied in the same colour shades, so that the butt joints, crossing points as well as overlapping areas are almost invisible when installed correctly.

Sikaflex PUR-tape

Product description:

The Sikaflex PUR-tape is a flexible, weather resistant tape for the sealing of joints according class 2 as per IVD-leaflet no. 4.

Fields of application:

Sealing of undersized joints, sealing of small joints in metal façades. For the refurbishment of joints, where the old sealing material cannot be removed or where the joint arrises are contaminated. Also for joints exposed soon after application where common sealants should absorb high joint movements during curing.

Properties:

o flexible
o weather resistant
o resistant against ageing
o according to IVD-leaflet no. 4, class 2

For more information on Sika visit www.barbourproductsearch.info

Width of tape:

width of tape mm	expansion zone mm	width of adhesive area mm	length of compound in concrete m
30	10	2 x 10	up to 2,0
35	15	2 x 10	2,0 – 3,5
40	20	2 x 10	3,5 – 5,0
50	30	2 x 10	5,0 – 6,5
60	40	2 x 10	6,5 – 8,0
80	50	2 x 15	8,0 – 10, 5
100	60	2 x 20	10,5 – 13,5
120	80	2 x 20	
140	100	2 x 20	
160	120	2 x 20	
200	160	2 x 20	

The expansion zone is approx. 60% of the width of tape.

Colour shade: Concrete grey

Shelf-life: Stored in dry and cool environment min. 1 year**.** Store rolls in standing position. (Do not expose to sun radiation and do not place or store near radiators.)

Technical properties:

Characteristic values		Remarks
Shore-hardness A:	approx. 30	following DIN 53 505
tensile strength:	at 100% expansion approx. 0,5 N/mm	DIN 53 504-S 2
elongation at break:	• 800%	DIN 53 504-S 2
recovery:	• 70%	
tear strength after incision:	approx. 10 N/mm	DIN 53 507
service temperature:	- 30°C to + 70°C	

Precautionary measures: see SikaBond-TB.

Hint: see SikaBond-TB

Disposal: Sikaflex PUR-tape can be disposed of as household or industrial waste.
Observe local regulations.

For more information on Sika visit www.barbourproductsearch.info

SikaBond-TB

Product description:

SikaBond-TB is a 1-component adhesive based on polyurethane.

Fields of application:

SikaBond-TB is used for fixing Sikaflex PUR-tape.

Properties:

- **1-component**
- **excellent adhesion on building material in connection with adequate primers**
- **flexible**
- **high sag resistance**
- **substrate levelling**

Packaging:

unipacs of 600 ml (1 cardboard box = 20 bags)

Colour shade:

concrete grey

Shelf life:

In original sealed containers, in dry and cool environment (+10°C to +25°C): 9 months.

Technical properties:

Characteristic values		Remarks
chemical basis:	1-comp. polyurethane, moisture curing	
tensile strength at 100% elongation:	0,20 N/mm²	DIN 20 340-NWT-1-A 2
permissible movement capacitiy:	25%	
sag resistance:	excellent	
formation of skin:	45 min.	23°C 50% rel. air humidity
specific gravity:	approx. 1,3 g/ml	
application temperature:	+ 5°C to +40°C	
service temperature:	-40°C to +70°C	

Application:

SikaBond-TB is applied with hand or air pressure gun, e.g. Sika BHP 600 or Sika BLP 600.
The substrate must be of sufficient strength, clean, dry, free from dust and grease. Use Sika-Primer 2 for concrete.

For more information on Sika visit www.barbourproductsearch.info

Precautionary measures:

Sikaflex PUR-tape does not fall under the dangerous goods regulations.

Uncured SikaBond-TB is chemical waste. Fully cured material can be disposed of according to local regulations on special dumping grounds or incinerating plants.

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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Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

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March 2001

Sikaflex®-HP1

Low Modulus One Part Polyurethane Elastic Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex®-HP1 is a one part low modulus gun grade multi purpose polyurethane sealant.

USES

Sikaflex-HP1 has been specially designed to solve most joint movement problems in external and internal applications such as:

* Weatherproofing joints between brickwork, blockwork, timber, PVC and concrete or metal frames.
* Sealing expansion and construction joints.
* Caulking joints.

ADVANTAGES

* Easy extrusion, application and smoothing.
* Fast cure rate.
* Can be painted.
* Outstanding weather resistance.
* Water resistant.
* Excellent resistance to ageing factors of cold, heat and ultraviolet light.
* Non-flowing.
* Highly elastic.
* Cures under the effect of atmospheric moisture without shrinkage and without releasing gas, alcohol or acid.

Technical Data (typical)

Colour:	White, black, brown, grey, beige
Density:	1.25 kg/litre
Movement Accommodation Factor (MAF):	25%
BS ISO 11600 classification:	F-25LM Mortar, brick, oak, anodised aluminium
Service temperatures: Range:	-30°C to +70°C
Cure rate:	2.0 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	20 after 28 days (+23°C / 50% RH)
Tack free time:	4 - 6 hours (+23°C / 50% RH)
Maximum joint width:	35.0 mm
Minimum joint depth for expansion joints:	10.0 mm
Modulus:	0.10 N/mm² @ 50% elongation

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed using suitable hand or mechanical preparation techniques.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

For maximum performance, priming is recommended for all designed movement joints. For the selection of the suitable primer, please consult the **Sikaflex** Primer Chart. Allow primer to become touch dry before applying sealant within minimum and maximum waiting times. When using **Sika Primer 3** on moist substrate, maximum substrate moisture content must not exceed 8% by wt.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time before application of **Sikaflex-HP1**.
* Insert cartridge into sealant gun and firmly extrude **Sikaflex-HP1** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikaflex-HP1** should be tooled to a smooth finish.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80) and current British Standards.

IMPORTANT CONSIDERATIONS

* **Sikaflex-HP1** should not be used for structural glazing.
* Protect the finished joint from water for at least X hours.
* **Sikaflex-HP1** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* Bonded elements may require additional holding or support during curing period.
* **Sikaflex-HP1** may be overpainted. However some coatings may crack if movement occurs, preliminary tests recommended.
* White colour material may discolour with age, durability will not be affected.
* Do not use **Sikaflex-HP1** in contact with materials containing bitumen or pitch.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikaflex-HP1** per 310cc sausage (without wastage):

Length of joint per 310 cc (m)

$$= \frac{310}{\text{Joint width (mm) x joint depth (mm)}}$$

Litres/metre run of joint

$$= \frac{\text{Joint width (mm) x joint depth (mm)}}{1000}$$

No of cartridges / sausages required for joint

$$= \frac{\text{Joint width (mm) x joint depth (mm) x length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

1 year from date of production if stored in cool, dry conditions (@ +10°C to +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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March 2001

SikaFiresil

One Part Silicone Flame Retardant Sealant

Technical Data Sheet

DESCRIPTION

SikaFiresil is a one part gun applied neutral cure silicone sealant which cures by reaction with atmospheric moisture to form a durable, soft elastomeric seal that gives excellent resistance to fire, even when exposed directly to a nearby heat source.

USES

SikaFiresil is suitable for all types of joints within fire compartments.

* Expansion joints.
* Construction joints.
* Fire door sealing.
* Curtain walling.
* Sealing around doors and windows.

ADVANTAGES

* Excellent adhesion to most construction material.
* Suitable for both moving and non moving joints.
* Single component - no site mixing.
* Excellent long term elasticity.
* Easy to use.
* High fire resistance - tested "Flame On".

FIRE RESISTANCE

Many fire resistant sealant and caulks are tested in a configuration that involves sealing the external face of the fire compartment (i.e. the sealant is insulated from the heat source) in order to achieve a particular rating. This is not typical of many of the installations made in practice, so **SikaFiresil** has been tested in the "face on" position which represents the sealant being exposed directly to a heat source.

Technical Data (typical)

Colour:	Grey
Density:	1.35 kg/litre
Movement Accommodation Factor (MAF):	25%
Service temperatures: Range:	-60°C to +200°C (Tested up to 1000°C)
Cure rate:	2 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +30°C max (Substrate and ambient)
Shore A hardness:	15 - 20 after 28 days
Tack free time:	1 to 2 hours (+23°C / 50% RH)
Elastic recovery:	> 200%
Tensile strength at break:	1.0 N/mm^2
Maximum joint width:	40.0 mm
Minimum joint depth for expansion joints:	10.0 mm (Width depth ratio 1:1)
Modulus:	< 0.14 N/mm^2 @ 100% elongation
Complies with the performance standards of:	BS5889:1989

All above values are approximate.

FIRE RATING PERFORMANCE OF SikaFiresil IN JOINTS

		30 minute		60 minute		120 minute		240 minute	
Substrates	Joint Width	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)
Steel to Steel	25 mm	S	S	(S)	(S)	(S)	(S)	(S)	(S)
Steel to Concrete	25 mm	S	S	S	(S)	(S)	(S)	(S)	(S)
Concrete to Concrete	25 mm	S	S	S	S	S	S	S	S
Concrete to Concrete	40 mm	S	(S)	S	(S)	(S)	(S)	(S)	(S)
Lightweight Block to Concrete	25 mm	S	S	S	S	S	S	S	S
Lightweight Block to Lightweight Block	25 mm	S	S	S	S	S	S	S	S

Tested in accordance with the principals of BS 476 Part 20 S = suitable rating for all joints up to width specified.
(S) = suitable rating as a double seal of **SikaFirestop** topped with **SikaFiresil** – contact Sika Technical Department for joint design details.
Recommendations extracted from integrity results given in Warres Nos 49228, 47896 and 48334.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

SikaFiresil has excellent adhesion to most building materials without the need for priming. Where appropriate, adhesion in concrete may be improved by priming the substrate with **Sika Primer 3** (max substrate moisture content must not exceed 8% by wt).

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Where appropriate prim to joint sides and observe waiting time before application of **SikaFiresil**.
* Insert cartridge into sealant gun and firmly extrude **SikaFiresil** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **SikaFiresil** should be tooled to a smooth finish.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80) and current British Standards.

IMPORTANT CONSIDERATIONS

* **SikaFiresil** should not be used for structural glazing.
* **Sika Firesil** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* **SikaFiresil** cannot be overpainted.
* The majority of integrity requirements for fire seals and joints are met with **SikaFiresil** or double seal of **SikaFirestop** (separate data sheet). Where very high movement or an insulation requirement (ie potential flammable atmosphere) both faces of a wall or slab should be sealed with **SikaFiresil** and a mineral or ceramic fibre backing used.
* Do not use **SikaFiresil** in contact with materials containing bitumen or pitch.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **SikaFiresil** per 310cc (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

9 months from date of production if stored in cool, dry conditions (@ +5°C to +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.

Please consult our Technical Sales Department for further information

SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

For more information on Sika visit www.barbourproductsearch.info

March 2001

SikaFirestop

One Part Silicate Based Intumescent Fire Proof Sealant

Technical Data Sheet

DESCRIPTION

SikaFirestop is a one part gun applied fire proof intumescent sealant, based on polymerised inorganic silicate. It has outstanding resistance to fire with temperatures upto 1000°C. At temperatures in excess of 250°C, carbon dioxide gas is produced causing the material to swell.

USES

SikaFirestop is suitable for all types of non moving joints and seals in fire compartments such as:

* Fire doors.
* Plugging and sealing of gaps in walls, chimneys and linings
* Sealing of all service and non service penetrations.
* Cracks in walls.

ADVANTAGES

* Excellent adhesion to most construction materials.
* Single component - no site mixing.
* Easy to use.
* Excellent fire resistance - tested “Flame On”.
* Outstanding resistance to fire.
* Inorganic - non ignitable and does not give off fumes in fire.

Technical Data (typical)

Colour:	Black
Density:	1.97 kg/litre
Service temperatures: Range:	-40°C to +1000°C
Cure rate:	2 mm/day
Application temperature:	+5°C min, +30°C max (Substrate and ambient)
Tack free time:	6 to 12 hours (+23°C / 50% RH)

All above values are approximate.

FIRE RESISTANCE

Many fire resistant sealants and caulks are tested in configuration that involves sealing the external face of the fire compartment (ie the sealant is insulated from the heat source) in order to achieve a particular rating. This is not typical of many of the installations made in practice, so **SikaFirestop** has been tested in the “face on” position representing the sealant being exposed directly to a heat source.

FIRE RATING PERFORMANCE OF SikaFirestop IN JOINTS

		30 minute		60 minute		120 minute		240 minute	
Substrates	Joint Width	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)	Vertical & Floor	Overhead (Soffit)
Steel to Steel	25mm	S	S	S	S	S	S	S	S
Steel to Concrete	25mm	S	S	S	S	S	S	S	S
Concrete to Concrete	25mm	S	S	S	S	S	S	S	S
Concrete to Concrete	45mm	S	S	S	S	S	S	S	S
Lightweight Block to Concrete	25mm	S	S	S	S	S	S	S	S
Lightweight Block to Lightweight Block	25m	S	S	S	S	S	S	S	S

Tested in accordance with the principals of BS 476 Part 20 S = Suitable Rating for all joints up to width specified.
Recommendations extracted from integrity results given in Warres No 48334.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to sealing.

PRIMING

No priming required.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Insert cartridge into sealant gun and firmly extrude **SikaFirestop** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **SikaFirestop** should be tooled firmly against joint sides to ensure good adhesion.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **SikaFirestop** should not be used for structural glazing.
* **SikaFirestop** is overpaintable. Only use compatible fire rated coatings.
* Do not use **SikaFirestop** in contact with materials containing bitumen or pitch.
* **SikaFirestop** should only be used for joints with little or no movement. For use with expansion joints **SikaFirestop** should be used in conjunction with **SikaFiresil** applied over (see separate data sheet).
* For best results use opened cartridges the same day.

CLEANING

Clean tools immediately with water.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **SikaFirestop** per 310cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

12 months from date of production if stored in cool, dry conditions (@ +5°C to +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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Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

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March 2001

Sikasil® C

One Part General Purpose Silicone Sealant

Technical Data Sheet

DESCRIPTION

Sikasil C is a one part general purpose silicone sealant.

USES

Sikasil C is suitable for providing weatherproof elastic joints between a variety of substrates.

* Glass.
* Metals.
* Wood.
* Ceramic tiles.
* Acrylics/polycarbonates.

ADVANTAGES

* Low odour.
* 100% silicone.
* Non corrosive.
* Good fungal resistance.
* Excellent UV resistance.

Technical Data (typical)

Colour:	White
Density:	1.5 kg/litre
Movement Accommodation Factor (MAF):	25%
Service temperatures: Range:	-50°C to +150°C
Cure rate:	2 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +35°C max (Substrate and ambient)
Shore A hardness:	29 after 28 days
Tack free time:	30 mins - hour (+23°C / 50% RH)
Elastic recovery:	> 90%
Maximum joint width:	25.0 mm
Minimum joint depth for expansion joints:	6.0 mm
Modulus:	< 0.43 N/mm² @ 100% elongation
Complies with the performance standards of:	BS5889:1989

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed by suitable hand or mechanical preparation techniques.

Iron and steel should be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

Primer is not required.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Apply appropriate primer to joint sides and observe waiting time before application of **Sikasil C**.
* Insert cartridge or sausage into sealant gun and firmly extrude **Sikasil C** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikasil C** should be tooled to a smooth finish within 5 minutes.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80) and current British Standards.

IMPORTANT CONSIDERATIONS

* **Sikasil C** should not be used for structural glazing.
* **Sikasil C** releases acetic acid during curing and can corrode sensitive metals including mirror silver.
* Protect the finished joint from water for at least 2 hours.
* **Sikasil C** should not be used in submerged conditions or where physical abuse and/or abrasion is likely to take place.
* **Sikasil C** may not be overpainted.
* **Sikasil C** is not recommended for porous substrates such as marble, concrete, stone and granite.
* **Sikasil C** is not suitable for food contact applications.
* Do not use **Sikasil C** in contact with materials containing bitumen, pitch, natural rubble, EPDM or other materials which may bleed oils, plasticisers or solvents.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikasil C** per 310cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge (ml)}}$$

STORAGE AND SHELF LIFE

18 months from date of production if stored in cool, dry conditions (@ +5°C to +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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Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

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March 2001

Sika® Sanisil

One Part Acetoxy Curing Silicone Sealant

Technical Data Sheet

DESCRIPTION

Sika Sanisil is a one part acetoxy moisture curing silicone sealant for sealing applications where mildew resistance is required.

USES

Sika Sanisil is suitable for sanitary sealing or other construction applications.

ADVANTAGES

* Solvent free.
* 100% silicone.
* Excellent fungal and mildew resistance.
* Excellent elasticity.
* Single pack - no site mixing.
* Easy to apply.
* Resistant to moisture.

Technical Data (typical)

Colour:	White
Density:	1.02 kg/litre
Movement Accommodation Factor (MAF):	20%
Cure rate:	1.5 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +50°C max (Substrate and ambient)
Tack free time:	30 mins (+23°C / 50% RH)
Maximum joint width:	25.0 mm
Minimum joint depth for expansion joints:	6.0 mm
Modulus:	0.4 - 0.5 N/mm^2 @ 100% elongation
Complies with the performance standards of:	BS5889:1989

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed by suitable hand or mechanical preparation techniques.

PRIMING

Primer is not required.

APPLICATION

* Insert **Sika® Joint Backing Rod** to required depth.
* Insert cartridge into sealant gun and firmly extrude **Sika Sanisil** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sika Sanisil** should be tooled to a smooth finish within 5 minutes.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80) and current British Standards.

IMPORTANT CONSIDERATIONS

* **Sika Sanisil** should not be used for structural glazing.
* **Sika Sanisil** releases acetic acid during curing and can corrode sensitive metals including mirror silver.
* Protect the finished joint from water for at least 2 hours.
* **Sika Sanisil** should not be used in submerged conditions or where physical abuse and/or abrasion is likely to take place.
* **Sika Sanisil** may not be overpainted.
* **Sika Sanisil** is not recommended for porous substrates such as marble, concrete, stone and granite.
* **Sika Sanisil** is not suitable for food contact applications.
* Do not use **Sika Sanisil** in contact with materials containing bitumen, pitch, natural rubble, EPDM or other materials which may bleed oils, plasticisers or solvents.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sika Sanisil** per 310 cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge(ml)}}$$

STORAGE AND SHELF LIFE

24 months from date of production if stored in cool, dry conditions (@ +5°C to +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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Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

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March 2001

Sikacryl® S

One Part High Quality Acrylic Sealant

Technical Data Sheet

DESCRIPTION

Sikacryl S is a one part water based multi purpose acrylic sealant

USES

Sikacryl S is suitable for sealing low stressed joints both internally and externally.

* Window frames.
* Door frames.
* Stair cases.

ADVANTAGES

* Over paintable.
* Good adhesion without primer.
* Elasto-plastic.
* Virtually odourless.
* Water based.

Technical Data (typical)

Colour:	White
Density:	1.5 kg/litre
Movement Accommodation Factor (MAF):	15%
Service temperatures: Range:	-20°C to +80°C
Cure rate:	0.5 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	20 after 28 days (+23°C / 50% RH)
Tack free time:	1 to 2 hours (+23°C / 50% RH)
Maximum joint width:	30.0 mm

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance and other poorly adhering materials should be removed.

PRIMING

Pre-dampen absorbent substrates carefully and allow to surface dry.

APPLICATION

* Insert cartridge into sealant gun and firmly extrude **Sikacryl S** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikacryl S** should be tooled to a smooth finish with a suitable water wetted tool.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikacryl S** should not be used for structural glazing.
* Protect the finished joint from water until a firm skin formation.
* **Sikacryl S** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* **Sikacryl S** may be overpainted. However some coatings may crack if movement occurs, preliminary tests recommended.
* White colour material may discolour with age, durability will not be affected.
* **Sikacryl S** is not suitable for movement joints, underwater conditions or constant water contact.
* Do not use **Sikacryl S** in contact with materials containing bitumen or pitch.

CLEANING

Clean tools immediately with water.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikacryl S** per 310cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

12 months from date of production if stored in cool, dry conditions (@ +5°C to +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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Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

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March 2001

Sikacryl® HM

One Part Acrylic Sealant

Technical Data Sheet

DESCRIPTION

Sikacryl HM is a one part water based acrylic sealant.

USES

Sikacryl HM is suitable for sealing internal and external low stressed joints such as:

* Window frames.
* Door frames.
* Stair cases.
* Skirtings.

ADVANTAGES

* Easy to use.
* Good adhesion.
* Over paintable.
* Elasto-plastic.
* Virtually odourless.
* Water based.

Technical Data (typical)

Colour:	White
Density:	1.6 kg/litre
Movement Accommodation Factor (MAF):	10%
Service temperatures: Range:	-20°C to +70°C
Cure rate:	0.5 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Shore A hardness:	20 after 28 days (+23°C / 50% RH)
Tack free time:	1 to 2 hours (+23°C / 50% RH)
Maximum joint width:	30.0 mm

All above values are approximate.

For more information on Sika visit www.barbourproductsearch.info

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance and other poorly adhering materials should be removed.

PRIMING

Pre-dampen absorbent substrates carefully and allow to surface dry.

APPLICATION

* Insert cartridge into sealant gun and firmly extrude **Sikacryl HM** into the joint making sure that it is in full contact with the sides of the joint.
* Fill the joint, avoiding air entrapment.
* **Sikacryl HM** should be tooled to a smooth finish, using a suitable water wetted tool.

Also refer to BASA/CIRIA application guidelines.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

IMPORTANT CONSIDERATIONS

* **Sikacryl HM** should not be used for structural glazing.
* Protect the finished joint from water until a firm skin has formed.
* **Sikacryl HM** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
* **Sikacryl HM** may be overpainted. However some coatings may crack if movement occurs, preliminary tests recommended.
* White colour material may discolour with age, durability will not be affected.
* **Sikacryl HM** is not suitable for movement joints, underwater conditions or constant water contact.
* Do not use **Sikacryl HM** in contact with materials containing bitumen or pitch.

CLEANING

Clean tools immediately with water.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikacryl HM** per 310cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{310}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

12 months from date of production if stored in cool, dry conditions (@ +5°C to +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
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.

Please consult our Technical Sales Department for further information

SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com