

Construction



Balcony Flooring Solutions with Sikafloor[®]-400 N Elastic



Solutions with Sikafloor®-400 N Elastic

Application Guidelines

Various Surface Design Options

Surface Inspection

■ The cementitious substrate should be sound and of sufficient strength (min. 25 N/mm²). Minimum pull off strength 1.5 N/mm².

Surface Preparation

■ All dust, glaze or varnish of tiles, loose and friable materials must be completely removed by mechanical means. Existing coatings have to be inspected, cleaned and mechanically grounded.

Climatic Conditions

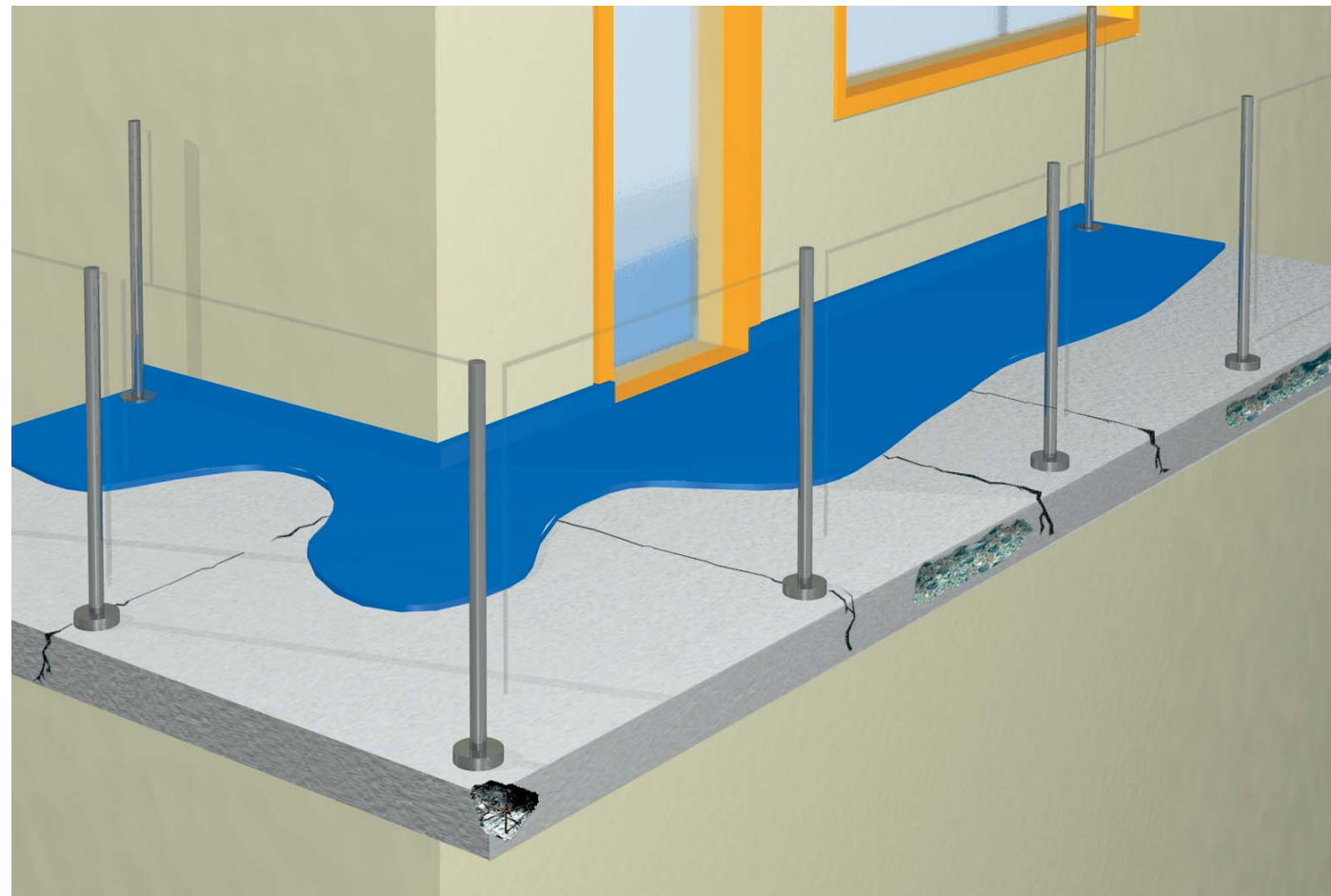
■ Minimum + 10 °C (but min. + 3 °C above dew point)
Maximum + 30 °C
Relative humidity max. 80 %

Substrate Humidity

■ On young concrete slabs, cementitious screeds or damp substrates (> 4 % moisture) use **Sikafloor®-EpoCem®**

Additional Details

■ Floor joints
■ Concrete repair
■ Coverings, connection to gullies see in the individual data sheet



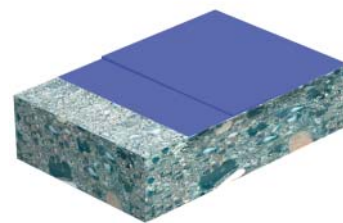
Project Related Needs and the Function of Flooring

- 1 C** The product consists of one component only. It has to be thoroughly mixed prior to the application!
- The mechanical resistance is related to exposure generated by pedestrians and light wheeled transport as well as by the wear from typical furniture.
- Slip Resistance is always a question of surface design. The specific environment defines the limits.
- Crack-bridging ability means, the coating system has enough elasticity to prevent cracking
- Thermal shock means, the coating system will not be negatively influenced by thermal exposure like ice, hail or warming up from sunshine
- UV-resistance and resistance to yellowing have to be fulfilled by all systems for outside use
- Easy cleaning means dirt could be removed by normal dry or wet cleaning methods

For Balconies with Light Wear



Layer Thickness: 0,3–0,5 mm



Sika System

Primer: 1 x **Sikafloor®-400 N Elastic** + 10 % **Sika Thinner C**
Top Coat: 1 x **Sikafloor®-400 N Elastic**, a 1-component, low solvent containing, coloured, high elastic, moisture-curing polyurethane coating

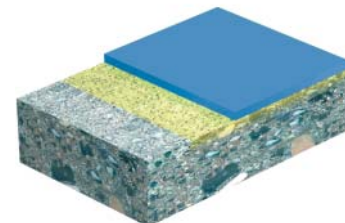
Application Method



For Balconies and Terraces with Medium Wear



Layer Thickness: 0,7–1,2 mm



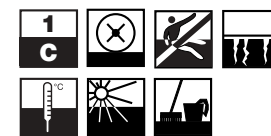
Sika System

Primer: 1 x **Sikafloor®-156**
Top Coat: 1 x **Sikafloor®-400 N Elastic**, a 1-component, low solvent containing, coloured, high elastic, moisture-curing polyurethane coating

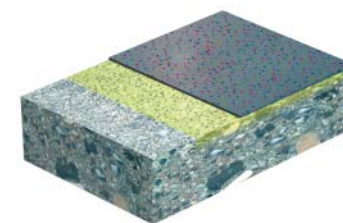
Application Method



For Balconies and Terraces with Surface Design



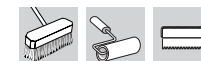
Layer Thickness: 0,9–1,4 mm



Sika System

Primer: 1 x **Sikafloor®-156**
Coating: 1 x **Sikafloor®-400 N Elastic** sprinkled with coloured chips
Matt Sealer: 1 x **Sikafloor®-410 Elastic**, a 1-component, solvent containing, transparent, high elastic, moisture-curing polyurethane matt sealer

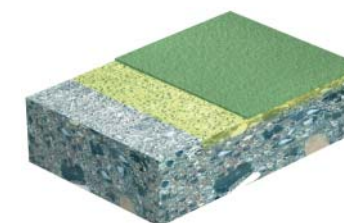
Application Method



For Balconies and Terraces with High Wear



Layer Thickness: 1,5–2,0 mm



Sika System

Primer: 1 x **Sikafloor®-156** broadcast to excess with quartz sand
Top Coat: 1 x **Sikafloor®-400 N Elastic**, a 1-component, low solvent containing, coloured, high elastic, moisture-curing polyurethane coating

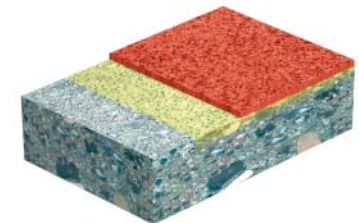
Application Method



For Balconies and Terraces with Surface Design



Layer Thickness: 1,5–2,0 mm



Sika System

Primer: 1 x **Sikafloor®-156**
Top Coat: 1 x **Sikafloor®-400 N Elastic** + broadcast to excess with Sika coloured quartz sand 0,3–0,8 mm.
Matt Sealer: 1 x **Sikafloor®-410 Elastic**, a 1-component, solvent containing, transparent, high elastic, moisture-curing polyurethane matt sealer

Application Method



Sikafloor®-400 N Elastic Balcony Flooring

Product	Pack Size	For m ²
Sikafloor®-400 N Elastic	6 kg	4 – 7
	18 kg	12 – 15
Sikafloor®-410 Elastic Matt sealer, transparent, elastic	3 l	27
	10 l	80
Surface design with high skid resistance may require double sealing.		
Sikafloor®-156 Primer	2,5 kg	5 – 6
	10 kg	20 – 24
	20 kg	40 – 48
Sikafloor®-157 Primer, rapid curing	10 kg	20 – 24
Sika® coloured quartz sand 0,3 – 0,8 mm	25 kg	6 – 8
Sika® Thinner C Solvent for Sikafloor-400 N Elastic and cleaning agent for tools	3 l	
	10 l	



Competence Brochures



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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