



Polymer Cement Screeding and Underlayments Solutions with Sikafloor[®]-Level[®]



Solutions with Sikafloor[®]-Level[®] **Application Guidelines**

Surface Inspection

The cementitious substrate should be sound and of sufficient strength (min. 25 N/mm²). Minimum pull off strength 1.5 N/mm². Free from grease, oil and contaminants.

Surface Preparation

All dust, loose and friable materials must be completely removed by mechanical means. Existing coatings have to be inspected, cleaned and mechanically ground to achieve a sound, gripping substrate.

Priming

For a final top surface that is uncoated or open for water vapour diffusion, (breathable), prime with Sikafloor®-155 W N. For surfaces sealed with an impervious material (resin, sheet, tile), prime with **Sikafloor**[®]-156 and scatter with quartz sand (0.6 - 1.2 mm).

Application

All Sikafloor® Level® products can be manually applied, Sikafloor[®]-Level[®] 25 can also be pump-applied using a dual stage mixer and pump.

Climatic Conditions

Minimum +10°C (but min. +3°C above dew point) Maximum $+30^{\circ}$ C Relative humidity max. 80 %

Substrate Humidity

On green concrete slabs, cementitious screeds or damp substrates (> 4 % moisture content. Test method: Sika-Tramex or CM) use Sikafloor®-EpoCem® to control substrate humidity.

Additional Details

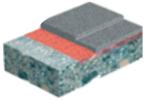
- Floor joints
- Concrete repair
- Covings, connections to gullies, refer to the individual data sheet



Substrate Moisture Control For 2 – 7 mm

For Featheredge to 5 mm and light Traffic





Sika[®] System

Primer: Sikafloor[®]-155 W N Top coat: Sikafloor[®]-81 EpoCem[®] or Sikafloor[®]-82 EpoCem[®]. A 3-component epoxy-reinforced cementitious, self-smoothing screed

Application Method



Sika[®] System Primer: Sikafloor[®]-155 W N/ Sikafloor®-156 broadcast with quartz sand

Screed Sikafloor[®]-Level[®]5 Topping: Sikafloor system of choice or vinyl/carpet

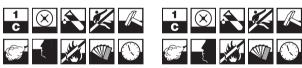
Application Method

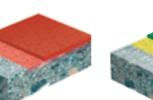


breathable System

For 5 – 25 mm

For 5 – 25 mm impervious System





Sika[®] System Primer: Sikafloor[®]-155 W N broadcast with quartz sand Screed: Sikafloor[®]-Level[®] 25 (colours optional)

Sikafloor®-2530W or vapour permeable system

Application Method









Topping:

Sikafloor impervious resin

Application Method

Sika[®] System

Sikafloor[®]-156

(colours optional)

broadcast with guartz sand

Sikafloor[®]-Level[®]25

Primer[.]

Screed:

Topping:





Project-related Needs and the Function of Flooring Systems

Product consists of minimum 2-components (resin and hardener). For use by trained specialists only.

3-component products. For use by trained specialists only.

Mechanical resistance is defined by type (transport load, type of tyres, contact area) and frequency of exposure. Select a suitable finish to the screed

Chemical resistance according to Product Data Sheet is dictated by the choice of

Slip resistance is always a question of surface design. The specific environment

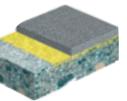
Impact resistance is related to the specific conditions of each operation. Allowance should be made for high point loads.

Permeability to liquids. These systems can provide an impermeable seal protecting the concrete and the ground water from leakage of water and environmental pollutants.

Neutral odour and VOC-free. Water-based and protein-free.

For 20 – 50 mm Screed





Sika[®] System

Primer. Sikafloor[®]-156 broadcast with quartz sand

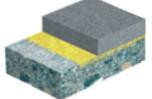
Sikafloor[®]-Level[®]50 Sikafloor resin to suit

Application Method



For 10 – 75 mm Screed





Sika[®] System

Primer: Sikafloor[®]-156 broadcast with quartz sand Screed: Sikafloor[®]-Level[®]75 blended with guartz sand (1:3 pbw) Topping: Sikafloor resin to suit

Application Method



Sikafloor[®]-Level[®] Polymer Cement Screeding and Underlayments

Product	Pack Size	Coverage
Sikafloor [®] -155 W N	10 kg	20 – 24 m ²
Sikafloor ^e -156	2.5 kg 10 kg 20 kg	5 - 6 m ² 20 - 24 m ² 40 - 48 m ²
Sika Quartz Sand	25 kg	15 – 25 m ²
Sikafloor ^e -Level [®] 5	27.45 kg	6 m² (2 mm)
Sikafloor ^e -Level® 25	25 kg	2.5 m² (5 mm)
Sikafloor ^e -Level [®] 50	25 kg	0.35 m² (35 mm)
Sikafloor [®] -Level [®] 75	25 kg	1 m² (50 mm)

Sikafloor®- Level® 25 colour range:

Uncoloured, natural, beige, red, plum, mid grey, light grey, green

Also available from Sika



Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.

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