

PRODUCT DATA SHEET

SikaDecor[®]-803 Plus

LEVELLING LAYER FOR THE SIKADecor[®] CEMENTITIOUS DECORATIVE MORTAR SYSTEM



DESCRIPTION

2-component, polymer modified cementitious mortar, containing selected aggregates and additives, suitable for substrate reprofiling prior to the application of SikaDecor[®]-801 Nature.

USES

Regularization and reprofiling prior to the application of SikaDecor[®]-801 Nature microcement on:

- Cementitious mortars
- Bricks
- Tiled surfaces, e.t.c.

CHARACTERISTICS / ADVANTAGES

- Pre-dosed components, easy to mix
- Easy application
- Low shrinkage

APPROVALS / CERTIFICATES

- CE-marking and Declaration of Performance as General purpose rendering / plastering mortar for external and internal use (GP) according to EN 998-1:2010, based on type testing and factory production control.
- CE-marking and Declaration of Performance as Cementitious floor screed material Class CT-C60-F10 according to EN 13813:2002, based on type testing and factory production control.

PRODUCT INFORMATION

Chemical base	Polymer modified cementitious mortar	
Packaging	Part A:	5 kg canister
	Part B:	25 kg bag
	Part A+B:	30 kg pre-dosed units
Appearance / Colour	Part A:	Milky liquid
	Part B:	White powder
Shelf life	12 months from date of production	
Storage conditions	Store properly in original, undamaged, sealed packaging, in dry and cool conditions (+5 to +35°C). Protect from frost.	
Maximum Grain Size	~ 0.3 mm	
Bulk Density	~ 1.33 kg/lit	

TECHNICAL INFORMATION

Compressive Strength	≥ 60MPa at 28 days	(EN13892-02 & EN1015-11)
Tensile Strength in Flexure	≥ 10MPa at 28 days	(EN13892-02)

Tensile Adhesion Strength	≥ 2.5 MPa - FP : C (Substrate:Concrete)		(EN1015-12)
Reaction to Fire	Euroclass A2-s1, d0	EN 998-1	
	Euroclass E	EN 13813	
Water Absorption	Wc 2	(EN 998-1)	

SYSTEMS

System Structure	Coating	Product	Consumption
	Walls: Primer (cementitious surface)	SikaTop®-10	~ 0.2 - 0.5 kg/m ²
	Walls: Primer (gypsum surface)	Sika® Primer-11 W	~ 0.2 - 0.5 kg/m ²
	Floors: Primer	Sikafloor®-156/-161 and broadcasting with quartz sand 0.4-0.7mm	
	Levelling layer	2 - 3 SikaDecor®-803 Plus	~ 2.0 kg/m ² /mm
	Decorative layer	2 - 3 x SikaDecor®-801 Nature	~ 0.35 - 0.45 kg/m ² /layer
	Sealer 1 (transparent, glossy, internal areas)	Sikafloor®-169*	~ 0.15 kg/m ² /layer
	Sealer 2 (transparent, mat, internal & external areas)	Sikafloor®-304 W	~ 0.13 kg/m ² /layer
	Sealer 3 (transparent, mat, external areas)	Sikafloor®-410	~ 0.15 kg/m ² /layer

* The final colour shade in this case is more intense in comparison with the SikaDecor® colour chart.

Optional: Sika Decor®-803 Plus can be reinforced with glass fiber mesh Sika® Fibernet.

Sikagard®-907 W can be applied optionally as a pore sealer prior to the application of the final sealer.

For more information, please contact Sika's Technical Department.

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 5 : 25
Consumption	~ 2.0 kg/m ² /mm
Layer Thickness	2 mm min. / 8 mm max.
Ambient Air Temperature	+8°C min. / +30°C max.
Substrate Temperature	+8°C min. / +30°C max.
Pot Life	~30 minutes at +20°C
Waiting Time / Overcoating	Grindable after 5-8 hrs (+23°C) or as soon as the coating is hard enough to sustain the grinding process.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be free from dust, loose material, surface contamination such as oil, grease, old coatings. Use suitable primer.

In case of application on old ceramic tiles, they must be well adhered onto substrate and grinded. Conduct a preliminary trial in case of doubt.

MIXING

Stir Part A (milky liquid) to homogenize it. Pour it into a suitable container and add Part B (powder) gradually, while mixing with an electrical stirrer, at low speed (~ 300 rpm). Mix for at least 3 minutes, until obtaining a homogeneous and lump-free mix.

APPLICATION

Apply the mixed SikaDecor®-803 Plus onto the substrate using a serrated trowel to the desired thickness. Between the layers of SikaDecor®-803 Plus, the sur-

face must be prewetted to saturation. Make sure that the used primer on walls (SikaTop®-10, Sika® Primer-11 W) is still tacky when reprofiling mortar is applied ("wet on wet").

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- During application and curing process, temperature must be within the range of +5 °C to +35 °C.
- Apply only on sound, prepared substrates.
- Do not add additional water while smoothing the finished surface, as this can cause decolouration and cracking.
- Protect applied fresh material from frost, wind and direct sunlight.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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