

PRODUCT DATA SHEET

SikaDecor®-801 Nature

DECORATIVE COLORED MICROCEMENT, FOR INTERIOR APPLICATIONS



DESCRIPTION

2-component mortar, based on hydraulic binders, admixtures and colour pigments, for decorative coatings in interior applications.

USES

- Decorative seamless coatings on interiors walls and floors
- Suitable for cementitious or gypsum based substrates
- For residential rooms, offices, lofts, e.t.c.
- Suitable as a coating for shops, residential buildings, institutional buildings with light wear

CHARACTERISTICS / ADVANTAGES

- Predosed
- Good UV resistance
- Excellent workability
- High adhesion to substrate
- Fast application
- Highly decorative and aesthetic, results in a unique surface
- Transpirable

APPROVALS / CERTIFICATES

2-part filler, basen on hydraulic binders, synthetic resins, additives and pigments for decorative indoor use according to EN 1504-2: 2004 and EN 13813:2002, DoP 0108030300100000321053, certified by Factory Production Control Body No. 0909 and provided with the CE-mark.

PRODUCT INFORMATION

Chemical base	Polymer modified microcement	
Packaging	Part A:	3.0 kg
	Part B:	10.0 kg
	Part A + B:	13.0 kg predosed units
	SikaDecor® Color Pigment:	500 ml
Appearance / Colour	Part A:	Milky liquid
	Part B:	White Powder
	SikaDecor® Color Pigment:	Consult colour chart
Shelf life	12 months from date of production if stored properly in undamaged original sealed packaging.	
Storage conditions	Storage temperature between +5 °C and +30 °C. Protect from freezing. Store in dry conditions.	
Density	Fresh product:	~ 1.75 kg/l

TECHNICAL INFORMATION

Tensile Adhesion Strength

> 1.0 N/mm²

(28 days)

SYSTEMS

System Structure

Levelling

Coating System	Product	Consumption
Scratch coat (0.1-1.0 mm):	Sikafloor®-156/-161 ¹⁾	~ 1.4 kg/m ² /mm
Self levelling mortar (2-3 mm):	Sikafloor®-81 EpoCem®	~ 2.3 kg/m ² /mm
Self levelling (4-10 mm):	Sikafloor® Level-30	~ 1.8 kg/m ² /mm

Please refer to the respective PDS!

On floors

Coating System	Product	Consumption
Primer:	Sikafloor®-156/-161 ¹⁾	~ 0.4 kg/m ²
Broadcasting:	Quartz sand (0.3-0.8 mm)	~ 1.0 kg/m ²
1 st decorative layer:	SikaDecor®-801 Nature	~ 1.5 kg/m ²
2 nd decorative layer:	SikaDecor®-801 Nature	~ 0.5 - 1.0 kg/m ²
1 st sealer ²⁾ :	Sikafloor®-304 W + 20 % water	~ 0.1 kg/m ²
2 nd sealer:	Sikafloor®-304 W + 5 - 10 % water	~ 0.1 kg/m ²

On walls

Coating System	Product	Consumption
Primer (cementitious surface):	SikaTop®-10	~ 0.2 - 0.5 kg/m ²
Primer (gypsum surface):	Sika® Primer-11	~ 0.2 - 0.5 kg/m ²
Levelling ³⁾ :	SikaDecor®-803 Nature	~ 2.0 kg/m ² /mm
Decorative layer:	2 - 3 x SikaDecor®-801 Nature	~ 0.35 - 0.45 kg/m ² /layer
1 st sealer:	Sikafloor®-304 W + 20 % water	~ 0.1 kg/m ²
2 nd sealer:	Sikafloor®-304 W + 5 - 10 % water	~ 0.1 kg/m ²

¹⁾ Also possible: Sikafloor®-160 and Sikafloor®-701²⁾ For floor areas with higher wear use Sikafloor®-169 as 1st layer.**Attention:** Gives a more intense color (darker).³⁾ On gypsum or smooth surface no levelling is necessary. But the consumption of the 1st layer SikaDecor®-801 Nature increases up to 1.5 kg/m².

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

APPLICATION INFORMATION

Mixing Ratio

Part A : B

3 kg : 9 - 10 kg

Pigment addition per mix: 500 ml

Exceptions: terracotta, clay, clover: 1000 ml

Consumption

~ 1.75 kg/m²/mm

Ambient Air Temperature	Min. +8 °C, max. +30 °C	
Substrate Temperature	Min. +8 °C, max. +30 °C	
Pot Life	~ 30 minutes	(+20 °C)
Applied Product Ready for Use	Sealed system:	~ 4 days (+23 °C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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

MIXING

SikaDecor®-801 Nature comprises of a powder component and a liquid one that must be mixed to obtain the desired consistency.

To obtain the desired colour, the pigment must be added to the liquid part (part A) and must be homogenized until achieving a uniform dispersion.

For the mixing, the liquid part must be poured into a clean pail and then slowly part B should be added, until obtaining the desired consistency.

A low speed electrical stirrer is recommended (~ 300 rpm) for mixing.

A part A/B ratio of 1/3 is recommended, but it can be modified to obtain a different consistency.

Mix for at least 2 minutes until a uniform mix is obtained.

APPLICATION

Decorative layers

Apply 2 or 3 layers of SikaDecor®-801 Nature depending on the desired decorative finishing, spreading the product with a flat edge trowel, thoroughly pressing the product onto the surface to obtain the stucco effect.

Before application of the second layer, let the first one dry, and gently grind the surface, by hand with fine grain grinder (120-18), to eliminate unevenness and increase adhesion. Repeat the process, if a third layer is needed.

Grain size of the grinder must be chosen by the applicators depending on the requirements. A final grinding is needed before application of sealing compound.

A final thickness of 1.5 - 2 mm is recommended.

CLEANING OF TOOLS

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.

LIMITATIONS

- In cases a higher thickness layer is demanded on wall applications, it is recommended to use SikaDecor®-803 Nature as a first layer to level the surface and in the second and third layer to use SikaDecor®-801 Nature, to achieve the decorative and shadow effect.
- Make sure to have correct ventilation in interior application to permit correct curing and drying.
- SikaDecor®-801 Nature should not be subjected to permanent contact with water.
- SikaDecor®-801 Nature must be protected from humidity, condensation, wind and rain, at least during 24 hours after application. In rooms with high relative humidity good ventilation is needed to avoid the formation of moss on the surface.
- If the substrate has cracks, repair them before application of the coating.
- Structural and moving joints must be respected.
- Colours are approximate and may vary depending on application conditions and sealing compounds. Variations in the uniformity of colours may occur during hardening.
- Sealing compounds always darken the shade and may alter the aesthetics of the base product.
- In case of special aesthetical requirements, a trial application is recommended.

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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