

PRODUCT DATA SHEET

SikaDecor®-801 Nature

DECORATIVE COLORED MICROCEMENT, FOR INTERIOR APPLICATIONS

PRODUCT DESCRIPTION

Two components mortar, based on hydraulic binders, admixtures and colour pigments, for interior decorative coatings.

USES

- Decorative continuous coatings in interiors walls
- Coating for furniture, shelves, etc.
- Coatings of old ceramics tiles
- Interior rooms like kitchen and bathrooms.
- Decorative coating for shops, residential buildings, institutional buildings, etc.

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 / STANDARDS

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)

SYSTEM INFORMATION

System Structure

Sika® EmotionFloor on walls

| Coating System | Product | Consumption |
|--|--------------------------------------|--|
| Primer (cementitious surface): | SikaTop®-10 | ~ 0.2 - 0.5 kg/m ² |
| Primer (gypsum surface): | SikaTop®-50 | ~ 0.2 - 0.5 kg/m ² |
| Levelling ¹⁾ : | 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 ²⁾ : | Sikafloor®-304 W + 5 - 10 % water | ~ 0.1 kg/m ² |
| 2 nd sealer: | Sikafloor®-304 W + 5 - 10 % water | ~ 0.1 kg/m ² |

¹⁾ 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.

²⁾ For areas with higher wear use Sikafloor®-169 as 1st layer.

Attention: Gives a more intense color (darker).

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

| | |
|-------------------------------|---|
| Consumption | This depends on the substrate roughness and thickness of layer applied. As a guide, ~ 1.7 -2.0 kg of powder per mm thick per m ² . Consumption may vary depending on substrate conditions (porosity, surface roughness, permeability). |
| Layer Thickness | 0.1 mm min. / 1 mm max |
| Ambient Air Temperature | Min. +8 °C, max. +30 °C |
| Substrate Temperature | Min. +8 °C, max. +30 °C |
| Pot Life | ~ 30 minutes (+20 °C) |
| Waiting Time / Overcoating | Min. 24 hours / Max. 7 days |
| Applied Product Ready for Use | ~ 3 hours. Curing time can be affected by substrate and climatic conditions |

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate shall be free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wetting. Cementitious substrates should be mechanically prepared by grinding or other similar procedure, to eliminate surface laitance and open porosity. Delaminated, weak, damaged and deteriorated concrete and where necessary sound concrete shall be removed by suitable means. Substrate levelling should be with SikaDecor®-801 Nature. Stains on old ceramic coatings should be removed by grinding. Dirtiness and loose materials

should be removed, preferably by vacuum.

MIXING

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

To obtain the desired colour, the pigment must be added to the liquid part (part A) and must be homogenised until full dispersion.

For mixing, the liquid part must be poured in a clean pail, and then slowly pour part B until the desired consistency is obtained.

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

A ratio Parts A:B of 1:3 is recommended, but 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

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

LIMITATIONS

It is recommended to reach the desired thick the first layer with SikaDecor® -803 Nature 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 a correct ventilation in interior application to permit correct curing and drying. SikaDecor®-801 Nature should not be subject 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 a good ventilation is needed to avoid the formation of moss in the surface. If the substrate has cracks, make to repair them before application of the coating. Structural and moving joints must be respected. Colours are approximated and may vary depending on application conditions and sealing compounds. Variations in the uniformity of colours may occur during hardening. In case of strict aesthetic requirements, an application trial is recommended. Sealing compounds based in polyurethane raise the shade, and may alter the aesthetics of the base product.

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VALUE BASE

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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