Construcción

SikaDecor - 801 Nature (VP)

Decorative colored microcement, for interior applications

Product Description

SikaDecor - 801 Nature is a two components mortar, based on hydraulic binders, admixtures and colour pigments, for decorative coatings in interiors.

Uses

SikaDecor - 801 Nature is suitable for:

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

Characteristics / Advantages

- Predosed
- Good UV resistance
- Excellent workability
- High adhesion to substrate
- Fast application
- Adheres to most building materials
- Highly decorative and aesthetic
- Transpirable

Product Data

Form

Appearance/Color	Comp. A: Milky liquid Comp. B: White powder Liquid pigment Consult color chart
Packaging	13 kg predosed units (Comp. A: 3 kg / Comp. B: 10 kg) Pigment: 0,5 l

Storage

Storage conditions/ Shelf life	12 months from date of production if stored properly in undamaged original sealed packaging, in dry cooled conditions, between + 5º C and + 30º C.

Technical Data

Chemical Base	Polymer modified microcement
Density	Fresh product: ~ 1,75 kg/l
Grading	~ 0,1 mm
Layer thickness	~ 1 mm

Pot life	~ 30 minutes (+20º C)

Mechanical/Physical Properties

Adhesion to concrete	> 1,0 N/mm^2 (after 28 days)
Adhesion to non porous substrates	> 2,0 N/mm^2 (after 28 days)

System information

System structure

Primer

SikaDecor - 801 Nature has good adhesion to most susbtrates.

On porous and absorbent substrates, a primer should be applied to seal the porosity and avoid dehydration of the product.

On cementitious or vitrified substrates apply the primer to make it easier the application of the product. Sika Top 10 is recommended for this use (see details in PDS).

On gypsum, plasters or plaster-board substrates, Sika Top 50 is recommended (see details in PDS).

Consult Technical Department for other substrates.

Reprofiling base layer

If the substrate is irregular or uneven, with holes, tile joints, differences in level etc. surfaces should be reprofiled before application of SikaDecor - 801 Nature. For this purpose, SIkaDecor - 803 Nature should be used (see details in PDS).

Final decorative layer

At least two or three layers of SikaDecor - 801 Nature should be applied to achieve a good aesthetic and decorative aspect.

Apply one layer onto the substrate, and once it has hardened, it is necessary to grind and then apply the next layer, until obtaining the desired aspect.

Sealing

SikaDecor - 801 Nature should be sealed, after hardening, between 24 hours and seven days after the application.

For sealing, different products can be used, depending of the conditions and required aspect: Sikafloor 304 W, Sikafloor CureHard Li, Sikagard 703 W, etc. (see details in PDS). For other sealing compounds, a trial application should be performed.

Application Details

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).
Substrate Quality	The substrate shall be free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wetting.
Substrate Preparation	Cementitious substrates should be mechanically prepared by grindind 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® -803 Nature.

	Stains on old ceramic coatings should be removed by grinding. Dirtiness and loose materials should be removed, preferably by vacuum.
Application Conditions / Limits	
Substrate temperature	+ 8 °C min. / + 30°C max.
Ambient temperature	+ 8 °C min. / + 30°C max.
Application Instructions	
Mixing	SikaDecor® - 801 Nature is made 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 component (comp. A) and must be homogenize until achieving a correct dispersion. Fort he mixing, the liquid component must be poured in a clean pail, and then slowly pour component B until obtaining the desired consistency, while mixing the product with a low speed electrical mixer A Comp.A/B ratio of 1/3 is recommended, but it can be modified to obtain a different consistency Mix during at least 2 minutes until a uniform mix is obtained
Mixing time	Approx. 2 minutes
Mixing tools	Low speed electrical mixer (~ 300 rpm).
Application Method/Tools	*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 uneveness and increase adhesion. Repeat the process, if a third layer in 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.
Waiting time/ Overcoating	Mín. 24 hours / Max. 7 days
Notes on Application/ 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. El SikaDecor® - 801 Nature should not be subject to permanent contact with water. El 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 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 aesthetical requirements, an application trial is recommended

Sealing compounds based in polyurethane raise the shade, and may alter the aesthetics of the base product.

Curing Details

Ready to Use

~ 4 days

Curing time can be affected by substrate and climatic conditions.

Cleaning/ Maintenance

Methods

To maintain the good aesthetic aspect of the coating, all liquid and spillage should be inmediately removed and clean.

Coating should be regularly clean by sweeping or vacuum. Do not use wet cleaning method before 2 two weeks after application. Neutral soaps shuold be used.

Do not use abrasive cleaning systems.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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