

PRODUCT DATA SHEET

SikaDecor®-650 Paste

Levelling layer, part of SikaDecor® pasty decorative mortar system

DESCRIPTION

SikaDecor®-650 Paste is a ready to use tinted decorative mortar for vertical and horizontal surfaces. Suitable for smoothing surfaces prior to the application of SikaDecor®-680 Paste Fine. SikaDecor® Paste Thixo can be added to adjust the mixture's thickness.

USES

SikaDecor®-650 Paste may only be used by experienced professionals.

- Cementitious mortars
- Tiled surfaces
- Suitable for indoor use

FEATURES

- Elastic
- Easy application
- Addition of thickening agent in the mixture
- The thixotropy of the mixture is adjustable by using SikaDecor® Paste Thixo
- Available in many colors

CERTIFICATES AND TEST REPORTS

- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Composition	Mixture composed of additives, aggregates and pigments in solvents	
Packaging	Container: 5 kg and 15 kg	
Appearance and colour	Part A	Paste
	Part B - SikaDecor® Paste Thixo	Milky liquid
Shelf life	3 years from the date of production	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +8 °C and +30 °C. Protect from freezing. Always refer to packaging.	

APPLICATION INFORMATION

Consumption	1.5 – 1.7 kg/m ² /mm	
Layer thickness	1 mm per layer	
Ambient air temperature	Min.	+8 °C
	Max.	+30 °C
Relative air humidity	<80 %	

Dew point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.	
Substrate temperature	Min.	+8 °C
	Max.	+30 °C
Substrate moisture content	<4% parts by weight	
Waiting time to overcoating	Before overcoating SikaDecor®-650 Paste or SikaDecor® 680 Paste with SikaDecor®-650 Paste, wait 24 hours. Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.	
Applied product ready for use	Dry after ~4 hours Full cure after ~4 days Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.	

SYSTEM INFORMATION

Systems	Coating	Product	Consumption
	Floor/Wall Primer	Sikafloor®-02 Primer	0.125 kg/m²
	Levelling layer	2 – 3 X SikaDecor®-650 Paste*	1.5 – 1.7 kg/mm/m²
	Decorative layer	2 – 3 X SikaDecor®-680 Paste Fine	1.5 – 1.7 kg/mm/m²
	Sealer for walls indoors	1 X SikaDecor®-100 AC 1KW** + 5 – 10 % water & 2-3 X SikaDecor®-100 AC 1KW**	~0.07 kg/m² per layer
	Sealer for floors and walls indoors	1 X SikaDecor®-200 PU 2KW + 10% water & 1 – 2 SikaDecor®-200 PU 2KW + 5 %	~0.100 kg/m² per layer
	Sealer for floors and walls outdoors	2 X SikaDecor®-200 PU 2KS	~0.150 kg/m² per layer
*Glass fiber mesh for reinforcement in the first coat: Sika® Fibernet 80 g/m² or Sika ThermoCoat®-4 HS 160 g/m² depending on the application **Matt, gloss or satin finish Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.			

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.

IMPORTANT CONSIDERATIONS

- During application and curing process, temperature must be within the range of +8 °C to +30 °C
- Apply only on sound, prepared substrates
- Do not exceed 1 mm of layer thickness and overcoating time, as this can cause cracking
- Protect applied fresh material from frost, wind and direct sunlight
- Do not apply on substrates with rising moisture
- After application, protect the Product from damp, condensation and direct water contact for at least 24 hours
- For temporary heating, use only electrically powered warm air blower systems. Do not use gas, oil, paraffin or other fossil fuel heaters

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1.5 N/mm².

The substrate must be dry, 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 the pasty mortar to homogenize it. Pour it into a suitable container and add gradually SikaDecor® Paste Thixo (liquid):SikaDecor® 650 Paste/680 Paste Fine in a ratio 1 part :30 parts depending the application, 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

1. Apply 2 or 3 layers of SikaDecor®-650 Paste on the surface. Using a serrated trowel spread the product, place the glass fiber mesh and embed it in the layer with a flat edge trowel
 2. Before application of the second layer, let the first one dry, and gently grind the surface, by hand with a fine grain grinder, to eliminate unevenness and increase adhesion
 3. Remove any dust
 4. Then continue the application with a metal or plastic flat edge trowel by pressing the product onto the surface
 5. 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 mm/layer is recommended.

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.

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.

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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