

PRODUCT DATA SHEET

Sika ThermoCoat®-500 Acryl Primer

Water dispersed primer for finishing coating of external thermal insulation composite systems

DESCRIPTION

Sika ThermoCoat®-500 Acryl Primer is a pigmented, water dispersed primer, suitable for paste-like renders including finishing coating of external thermal insulation composite systems.

USES

- Designed for use as primer for the finishing coating Sika ThermoCoat®-500 Acryl Top
- Suitable for being applied as primer for paste-like renders indoors and outdoors.
- Suitable for being applied on concrete, mortars, plasterboards, cement boards and coated surfaces.

CHARACTERISTICS / ADVANTAGES

- Easy to apply
- Water repellent with deep penetration
- Suitable for being applied as primer for acrylic renders
- Very good adhesion on substrates such as concrete, cementitious mortars, e.t.c.
- Available in a wide range of colours for a uniform final colour shade

PRODUCT INFORMATION

Composition	Acrylic dispersion
Packaging	25 kg pail
Appearance / Colour	Viscous liquid in a wide range of colours
Shelf life	12 months from date of production
Storage conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
Density	1.55 ± 0.05 kg/lit (EN ISO 2811-1)

SYSTEMS

System structure	Sika ThermoCoat®-500 Acryl Primer	Water dispersed primer for (acrylic) paste-like renders
	Sika ThermoCoat®-500 Acryl Top	Acrylic, paste-like finishing coating (acc. to EN 15824)

APPLICATION INFORMATION

Consumption	0.15 - 0.25kg/m ² , depending on substrate's absorption
Ambient air temperature	+5 °C min / +35 °C max
Substrate temperature	+5 °C min / +35 °C max
Waiting time to overcoating	Tack free after ~3-4 hours (23 °C / 50% R.H.) Overcoating after ~12-24 hours, depending on the prevailing conditions.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be dry, sound and free from cracks, oil, loose and friable particles, which could affect the correct application of Sika ThermoCoat®-500 Acryl Primer.

Coated surfaces

Old coatings must be tested in order to confirm their adhesion to the substrate and must be completely removed if considered to be inappropriate. Remove loose areas or mortar residues and where alignment work is needed, fill the gaps or cracks that exist with Sika ThermoCoat®-100 Pro or Sika ThermoCoat® Easy. Prepare the surface by brushing, wiping or washing with high pressure water jetting (200-400 bar) and wait for them to dry out.

Concrete / Masonry / Cement boards

Substrate must be cured (at least 28 years old for concrete) and must be prepared with suitable mechanical methods. In case of defects on concrete or masonry, apply appropriate repair mortars from SikaRep® or Sika MonoTop® range. When alignment work is needed, apply Sika ThermoCoat®-100 Pro or Sika ThermoCoat® Easy for rendering as base coat by embedding Sika ThermoCoat®-4 HS and wait for them to dry out, prior to the application of Sika ThermoCoat®-500 Acryl Primer.

In any case, appropriate methods should be provided to deal with rising moisture phenomena of the substrate and wait for drying.

For further details, please consult our Technical Department.

MIXING

Dillute Sika ThermoCoat®-500 Acryl Primer with ~15% by weight of clean water, using a low speed electric stirrer (max 500 rpm). Mix continuously for 3-4 minutes until a uniform mix has been achieved.

APPLICATION

Apply a continuous layer of Sika ThermoCoat®-500 Acryl Primer with a roller or by airless spraying, depending on the absorption of the substrate. In case of high temperatures or high absorption of the substrate, a second layer can be applied.

If needed, select the appropriate colour of Sika ThermoCoat®-500 Acryl Primer, so that the application of Sika ThermoCoat®-500 Acryl Top or other paste-like renders will not encounter issues concerning the tint (shades etc).

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

- The optimum temperature during application of the product is between +5°C and +35°C, while the maximum relative humidity must be between 70-80%.
- Application should not take place under high UV radiation, strong wind, rain or frost.
- The waiting time between application of Sika ThermoCoat®-500 Acryl Primer and Sika ThermoCoat®-500 Acryl Top is strongly affected by the prevailing environmental conditions. Waiting time is at least 12 hours. In cases of low temperatures, waiting time can increase.

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 war-

ranty 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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