

PRODUCT DATA SHEET

Sikalastic®-10 Primer W

Efflorescence resisting penetrating acrylic primer and sealer (Formerly Sika® CoolCoat Primer)

DESCRIPTION

Sikalastic®-10 Primer W is a versatile water based primer comprising of self crosslinking acrylic polymer and additives. This primer can also be used as a sealer coat for various water based coatings to create water repellence effect and reduce dirt pick up. Its unique self crosslinking polymers gives it very high resistance to alkaline substrates, protects the top coat and gives very high efflorescence resistance.

USES

- Primer for the application on asbestos, brick, false ceiling, concrete surface, cementitious renderings, wall putty, other surfaces etc.
- Seal coat on top of water based acrylic coatings

CHARACTERISTICS / ADVANTAGES

- Suitable for internal and external surfaces
- Deep penetration
- Excellent substrate adhesion
- Suitable for porous substrates subjected to high temperatures
- High alkali resistant
- Efflorescence resistant

PRODUCT INFORMATION

Chemical base	Acrylic copolymer and additives	
Packaging	2 kg container	
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened, undamaged and sealed packaging in dry and cool conditions at temperatures between +5 °C and +30 °C. Must be protected from direct sunlight and frost.	
Appearance / Colour	Initial	White milky liquid
	Cured appearance	Colourless
Density	~1.05 kg/L	
Solid content by weight	~25 %	

TECHNICAL INFORMATION

Elongation at break	~100 %	(ASTM D412)
Tensile adhesion strength	≥ 1 MPa	(EN 1542)

APPLICATION INFORMATION

Consumption	Primer	~0.2–0.3 kg/m ²
	Seal coat	~ 0.05–0.08 kg/m ²
Note: The consumption will vary depending on application area, substrate type, substrate roughness, surface profile, absorption of the surface and thickness required.		
Ambient air temperature	+8 °C min. / +45 °C max.	
Relative air humidity	< 80 %	
Dew point	Beware of condensation. The substrate and uncured applied roof material must be at least +3 °C above dew point to reduce the risk of condensation on the surface finish.	
Substrate temperature	+8 °C min. / +45 °C max.	
Substrate moisture content	≤ 6 % parts by weight. The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).	
Waiting time / Overcoating	2–4 hours at +27 °C Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.	

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.

FURTHER DOCUMENTS

Refer to the Product Data Sheet of

- Sikagard® XT
- Sikagard®-444 Aqua Seal
- Sikalastic®-510 CoolCoat IN
- Sikalastic®-520 CoolCoat Fibers IN

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

- Substrate must be sound with a minimum tensile adhesion strength of 1.5 N/mm², clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- New concrete must be cured for at least 28 days and have a tensile strength >1.5 N/mm².

SUBSTRATE PREPARATION

- Substrates must be prepared mechanically using suitable substrate preparation equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness.
- High spots can be removed by grinding.
- Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of joints, blowholes/voids and surface levelling must be carried out using appropriate products from the Sika-floor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying Sikalastic®-10 Primer W.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by industrial vacuuming equipment.
- Mortar joints must be sound and preferably flush pointed.

MIXING

- Product is supplied ready for use.
- Before application, mix for at least 1 minute to achieve a uniform colour.

APPLICATION

1. Pour the mixed primer onto the prepared substrate.
2. Apply the product evenly over the surface with a brush or fleece roller. Ensure a continuous pore free coat covers the substrate.
3. Back roll the surface in two directions at right angles with a fleece roller.



Note: The primer may become high viscous due to change in ambient conditions like temperature and humidity that might affect the consistency and increase consumption of the primer. Under such situation, a site modification by adding water is possible to achieve application friendly consistency of the product. The dilution is fixed on the basis of site trials and limited to max. 10 % by weight of primer.

CLEANING OF TOOLS

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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