

Sika®-CoolCoat Primer

Efflorescence resistance penetrating primer based on acrylic emulsion polymer

Product Description	Sika®-CoolCoat Primer is a versatile water-based primer comprising of self-cross-linking acrylic emulsion polymer & additives in water as a medium. This primer can be used as a seal coat for various water based Sika products like Sika® CoolCoat, Sikagard® XT etc. and where ever green construction is desired.	
Uses	<ul style="list-style-type: none"> ■ Used as a primer for the application on asbestos, brick, false ceiling, concrete surface, cementitious renderings, wall putty , other surfacings,etc. 	
Characteristics / Advantages	<ul style="list-style-type: none"> ■ Suitable primer for internal and external surfaces. ■ Smaller polymer particles penetrate deeply to provide excellent substrate adhesion. ■ Suitable for porous substrates with over coating. ■ High Alkali resistant – Due to self-crosslinking polymers it gives very high resistance to alkaline substrates and protect the top coat. ■ Efflorescence resistance - Due to self-crosslinking polymers it gives very high efflorescence resistance. 	
Product Data		
Form		
Colour	White emulsion. Colourless after drying	
Packaging	1kg x 2 and 2kg x 2 Pack	
Storage		
Storage Conditions / Shelf-Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.	
Technical Data		
Chemical Base	Acrylic co-polymer with special additives	
Density	1.05kg/l	
Adhesion strength on Concrete	>1.5 MPa	(According to EN 1542)
Solid content (%)	~ 25 %	
Tensile Strength (Mpa)	~ 1.8	(According to ASTM D 412)
Efflorescence Resistance	Excellent	
Weathering Resistance	Excellent	
Dirt Pickup Resistance	Excellent	

Construction



Mechanical / Physical Properties

Tack free time 2-4 hours at +27° C (depending on humidity temperature and ventilation)

Application Details

System Structure/Consumption	System	Product	No. of Applications	Dilution	Consumption
	Priming	Sika® CoolCoat Primer	1	Nil,	~0.20-0.30 kg/m ²
	Top Coat	Sika® CoolCoat Primer	1	Nil	~0.05 – 0.08 kg/m ²

System Information

Application Details

Substrate Quality Concrete, mortar surfaces must be clean, free from grease, oil, and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil. All surfaces must be as true as possible.

Application Conditions / Limitations

Substrate Temperature +8°C min. / +45°C max.

Ambient Temperature +8°C min. / +45°C max.

Application Instructions

Application Method / Tools Stir well until a uniform consistency is achieved. Apply a single coat of Sika®-CoolCoat Primer on the cleaned substrate & allow it to dry for 2 to 4 hours before commencing to further finish coats.

System Information

Notes on Application / Limitations 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 recommended by Sika®. In order to achieve application friendly consistency of the product. The dilution is fixed on the basis of site trials. However, the above table may be followed as a guideline.

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.



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