

PRODUCT DATA SHEET

Sikagard[®]-552 IN Primer W

Water based acrylic primer for protective coatings

DESCRIPTION

Sikagard[®]-552 IN Primer W is a one-component water dispersed adhesion promoting primer for water dispersed polymer paint coatings.

Sikagard[®]-552 IN Primer W is part of a system that complies with the requirements of IRC:SP:80 as a protective coating.

USES

- Priming coat for concrete and dense mineral substrates like fibre cement, aerated concrete, gypsum and thin rendering mortars
- Can be used as a primer on firmly adhering existing water based coatings in case of concrete surface treated with hydrophobic impregnation.

CHARACTERISTICS / ADVANTAGES

- Water dispersed, solvent free
- Environment friendly
- Water vapour permeable
- Can be used as an adhesion promoter for coating or cement based resurfacing mortar

PRODUCT INFORMATION

Chemical base	Acrylic polymer (acrylate) dispersion
Packaging	10 kg plastic bucket
Shelf life	12 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
Appearance / Colour	Milky white liquid
Density	~1.02 kg/L (at +27 °C) (EN ISO 2811-1)
Solid content by weight	20–23 %
pH-value	~9

SYSTEM INFORMATION

System structure	Layer	Product	No of coats
	Primer	Sikagard®-552 IN Primer W	1
	Protective coating	Suitable Sikagard® range of water based coating	1–2

Please refer to the individual product data sheet of water based protective coating for number of coats required.

APPLICATION INFORMATION

Consumption	~0.120–0.200 kg/m ² (~5–8 m ² per litre) dependent on the absorbency of the substrate.		
Ambient air temperature	+8 °C min. / +40 °C max.		
Relative air humidity	80 % max.		
Dew point	Substrate and ambient temperature must be at least +3 °C above dew point.		
Substrate temperature	+8 °C min. / +40 °C max.		
Waiting time / Overcoating	Before applying Sikagard®-550 W IN on Sikagard®-552 IN Primer W allow:		
	Substrate temperature	Time	
	+8 °C	~12 hours	
	+20 °C	~6 hours	
	+40 °C	~1.5 hours	

Note:

- When application is on existing coating, waiting time prior to overcoat the primer will increase by 100 %.
- Use only water dispersed coating systems on top of Sikagard®-552 IN Primer W.

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.

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 / PRE-TREATMENT

The substrate must be dense and free from loose and friable particles. Tensile strength of the substrate must be more than 1 N/mm².

Exposed concrete without existing coating

Suitable preparation methods are steam cleaning, high

pressure water jetting or blast cleaning. New concrete must be at least 28 days old.

Thin layer renderings

If required, a levelling pore sealer like Sikagard®-720 EpoCem® IN or Sika MonoTop®-2500 Fair Finish shall be applied. For cement based products, allow a curing time of at least 4 days before priming.

Exposed concrete with existing coating

Existing coatings must be tested to confirm their adhesion to the substrate -

- adhesion test average > 1.0 N/mm² with no single value below 0.7 N/mm² for subsequent top rigid coating
- adhesion test average > 0.8 N/mm² with no single value below 0.5 N/mm² for subsequent top elastic coating

Please refer to the relevant Method Statement for more details.

- For water based coating, use Sikagard®-552 IN Primer W as primer
- For solvent based coating, use silane siloxane modified primer Sikagard®-551 S Elastic

In case of doubt, carry out adherence testing to determine which primer is most suitable. Wait at least 2 weeks after application prior to conduct the adhesion test as per EN 1542.

APPLICATION

IMPORTANT

Do not apply if the rain is expected during the minimum curing time.

Sikagard®-552 IN Primer W is supplied ready to use, do not dilute it.

1. Shake it thoroughly prior to application.
2. Apply single coat of Sikagard®-552 IN Primer W by brush, roller or airless spray, to cover the full substrate.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened or cured 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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