

Sikagard®-552 W Aquaprimer

Water dispersed adhesion promoting primer

Construction

Product Description

Sikagard®-552 W Aquaprimer is one component water dispersed adhesion promoting primer for water dispersed polymer paint coatings.

Sikagard®-552 W Aquaprimer is part of a system that complies with the requirements of EN 1504-2 as protective coating.

Uses

Priming coat for concrete and dense mineral substrates like fibre cement, aerated concrete, gypsum and smoothing coating such as Sika® MonoTop®-610, etc.

Sikagard®-552 W Aquaprimer can also be used as a primer on firmly adhering existing water based coatings.

Sikagard®-552 W Aquaprimer is part of the system:

- Suitable for protection against ingress (Principle 1, method 1.3 of EN 1504-9)
- Suitable for moisture control (Principle 2, method 2.2 of EN 1504-9)
- Suitable for increasing the resistivity (Principle 8, method 8.3 of EN 1504-9)

Characteristics / Advantages

- Water dispersed - solvent free
- Environmentally friendly
- Water vapour permeable
- Can be used as an adhesion promoter

Tests

Approval / Standards

Conforms to the requirements of EN 1504-2.

Test report from IBAC Aachen dd 07.04.1993 in combination with Sikagard®-545 W Elastofill.

Test report acc. ZTV-SIB OS DII from the Polymer Institute dd 16.10.01 Nr. P 2703/01-125.

Product Data

Form

Colour Milky white liquid

Packaging 10 l plastic pail

Storage

Storage Conditions / Shelf-Life

24 months from date of production if stored properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.



Technical Data

Chemical Base	Acrylate dispersion
Density	~ 1.0 kg/l (at +20°C)
Solid Content	~ 20% by volume

System Information

System Structure	1 x Sikagard®-552 W Aquaprimer
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Application Details

Consumption	0.10 - 0.12 kg/m ² dependent on the absorbency of the substrate.
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Substrate Quality	The substrate must be dense and free from loose and friable particles. Tensile strength of the substrate must be more than 1 N/mm ² .
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Substrate Preparation	<p><i>Exposed concrete without existing coating:</i></p> <p>Suitable preparation methods are steam cleaning, high pressure water jetting or blastcleaning. New concrete must be at least 28 days old.</p> <p><i>Smoothing coatings:</i></p> <p>If required, a smoothing coating (e.g. Sika® MonoTop®-610, Sikagard®-545 W Elastofill, etc.) shall be applied – refer to the respective product data sheet. For cement based products, allow a curing time of at least 4 days before priming.</p> <p><i>Exposed concrete with existing coating:</i></p> <p>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; > 0.8 N/mm² with no single value below 0.5 N/mm² for subsequent top elastic coating respectively – refer to the relevant Method Statement for more details</p> <p>For water based coating, use Sikagard-552 W Aquaprimer as primer. For solvent based coating, use Sikagard-551 S Elastic Primer as primer.</p> <p>In case of doubt, carry out adherence testing to determine which primer is most suitable - wait at least 2 weeks prior to conduct the adhesion test..</p>
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Application Conditions / Limitations

Substrate Temperature	+8°C min. / +35°C max.
Ambient Temperature	+8°C min. / +35°C max.
Relative Air Humidity	< 80%
Dew Point	Temperature must be at least 3°C above dew point.

Application Instructions

Mixing	The material is supplied ready for use. Stir thoroughly prior to application.
Application Method / Tools	Sikagard®-552 W Aquaprimer can be applied by brush, roller or airless spray.
Cleaning of Tools	Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

Waiting Time / Overcoating	Waiting time before coating:								
	<table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>+8°C</td> <td>12 hours</td> </tr> <tr> <td>+20°C</td> <td>5 hours</td> </tr> <tr> <td>+35°C</td> <td>2.5 hours</td> </tr> </tbody> </table>	Substrate temperature	Time	+8°C	12 hours	+20°C	5 hours	+35°C	2.5 hours
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+20°C	5 hours								
+35°C	2.5 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 W Aquaprimer.									
Notes on Application / Limitations	<p>Do not apply when there is:</p> <ul style="list-style-type: none"> - Expected rain - Relative humidity >80% - Temperature below +8°C and/or below dew point - Concrete younger than 28 days 								
Curing Details									
Curing Treatment	Sikagard®-552 W Aquaprimer does not require any special curing but must be protected from rain for at least 30 minutes at +20°C.								
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.								
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.								
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.								

EU Regulation 2004/42

VOC - Decopaint Directive

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / **g** type **wb**) is 50/30 (Limit 2007 / 2010) for the ready to use product.

The maximum content of **Sikagard®-552 W Aquaprimer** is < 30 g/l VOC for the ready to use product.

CE Labelling

The harmonised European standard EN 1504-2 “Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2 Surface protection system for concrete” specifies the requirements for coatings to be used to protect concrete structures (either building or civil engineering structures).

Coatings used as concrete protection fall under this specifications – they need to be CE-labelled as per Annex Za, table Za.1d & 1e, conformity 2+ and 4 and fulfil the requirements of the given mandate of the Construction Product Directives (89/106/CE).

	
0921	
Sika Services AG Factory Number 1125 Tüffenwies, Zürich, Switzerland 09	
0921-BPR-2046 EN 1504-2 Surface protection products Protective coating	
Reaction to fire after application	Class F
Dangerous substances comply with 5.3	

Note: Sikagard®-552 W Aquaprimer is CE marked as part of the system of Sika protective coating and as such does not have any specific performance data.



SIKA LIMITED

Head Office · Watchmead · Welwyn Garden City · Hertfordshire · AL7 1BQ · United Kingdom
Phone: +44 1 707 394444 · Fax: +44 1 707 329129 · www.sika.co.uk

