

# Sikagard®-552 W Aquaprimer

## Water dispersed adhesion promoting primer

### 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 thin rendering such as Sika® MonoTop®-620.

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 8.2 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

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** 15 litre 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.

Construction



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**Technical Data**

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**Chemical Base** Acrylate dispersion

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**Density** ~ 1.0 kg/l (at +20°C)

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**Solid Content** ~ 20% by volume

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**System Information**

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**System Structure** 1 x Sikagard®-552 W Aquaprimer

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**Application Details**

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**Consumption** 0.10 - 0.12 kg/m<sup>2</sup> 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<sup>2</sup>.

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**Substrate Preparation** *Exposed concrete without existing coating:*

Suitable preparation methods are steam cleaning, high pressure water jetting or blastcleaning. New concrete must be at least 28 days old.

*Thin layer renderings:*

If required, a levelling pore sealer (e.g. Sika® MonoTop®-620, Sikagard®-720 EpoCem®, 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 coating (except when the EpoCem is used, then coating can be applied after 24 hours with primer).

*Exposed concrete with existing coating:*

Existing coatings must be tested to confirm their adhesion to the substrate - adhesion test average: > 1.0 N/mm<sup>2</sup> with no single value below 0.7 N/mm<sup>2</sup> for subsequent top rigid coating; > 0.8 N/mm<sup>2</sup> with no single value below 0.5 N/mm<sup>2</sup> for subsequent top elastic coating respectively

For water based coating, use Sikagard-552 W Aquaprimer as primer.

For solvent based coating, use Sikagard-551 S Elastic Primer as primer.

In case of doubt, carry out adherence testing to determine which primer is most suitable - wait at least 2 weeks prior to conducting the adhesion test..

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**Application Conditions / Limitations**

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**Substrate Temperature** +8°C min. / +35°C max.

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**Ambient Temperature** +8°C min. / +35°C max.

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**Relative Air Humidity** < 80%

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**Dew Point** Temperature must be at least 3°C above dew point.

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**Application Instructions**

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**Mixing** The material is supplied ready for use. Stir thoroughly prior to application.

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**Application Method / Tools** Sikagard®-552 W Aquaprimer can be applied by brush, roller or airless spray.

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**Cleaning of Tools** Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

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<b>Waiting Time / Overcoating</b>	Waiting time before coating:	
	Substrate temperature	Time
	+8°C	12 hours
	+20°C	5 hours
	+35°C	2.5 hours
	<p>Note: When application is on existing coating, waiting time prior to overcoat the primer will increase by 100%.</p> <p>Use only water dispersed coating systems on top of Sikagard-552 W Aquaprimer.</p>	
<b>Notes on Application / Limitations</b>	<p>Do not apply when there is:</p> <ul style="list-style-type: none"> <li>- Expected rain</li> <li>- Relative humidity &gt;80%</li> <li>- Temperature below +8°C and/or below dew point</li> <li>- Concrete younger than 28 days</li> </ul>	
<b>Curing Details</b>		
<b>Curing Treatment</b>	Sikagard®-552 W Aquaprimer does not require any special curing but must be protected from rain for at least 30 minutes at +20°C.	
<b>Value Base</b>	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.	
<b>Health and Safety Information</b>	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.	
<b>Legal Notes</b>	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>	

