

Product Data Sheet

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Sikagard®-552 W Aquaprimer

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Water dispersed adhesion promoting primer

Product Description

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

Uses

- Priming coat for concrete and dense mineral substrates like fibre cement, aerated concrete, gypsum and thin rendering such as Sika® MonoTop®-620, Icoment-520 etc.
- Sikagard®-552 W Aquaprimer can also be used as a primer on firmly adhering existing water based coatings

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 10 l plastic pail

Storage

Storage Conditions / Shelf-Life

12 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



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

Application Details

Consumption 0.10 - 0.12 kg/m² dependent on the absorbency of the substrate.

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/mm².

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:

Allow a curing time of at least 4 days before to proceed with the 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; > 0.8 N/mm² with no single value below 0.5 N/mm² for subsequent top elastic coating respectively.

Inadequate adhesion:
existing coatings must be completely removed by suitable methods and the substrate must be sufficiently sound etc. as above.

Adequate adhesion:
Thorough cleaning of all surfaces by steam cleaning or high pressure water jetting.

In case of existing well adhering water based coating, use Sikagard-552 W Aquaprimer as primer.

For solvent based, coating, use Sikagard-551 S Elastic Primer instead as primer (refer to product data sheet).

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.

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 / Overcoatability Waiting time before coating:

Substrate temperature	Time
+8°C	12 hours
+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 Do not apply when there is:

- 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 should 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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