

PRODUCT DATA SHEET

Sikagard[®]-552 W Aquaprimer (G)

WATER DISPERSED ADHESION PROMOTING PRIMER

DESCRIPTION

Sikagard[®]-552 W Aquaprimer (G) is a one part water dispersed adhesion promoting primer for water dispersed polymer paint coatings. Suitable for use in hot and tropical climatic conditions.

USES

- Priming coat for concrete and dense mineral substrates like fibre cement, aerated concrete, gypsum and thin rendering.
- Sikagard[®]-552 W Aquaprimer (G) can also be used as a primer on firmly adhering existing water based coatings.
- Suitable as primer for protection coating systems against ingress (Principle 1, method 1.3 of EN 1504-9)
- Suitable as primer for protection coating systems for moisture control (Principle 2, method 2.3 of EN 1504-9)
- Suitable as primer for protection coating systems 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

APPROVALS / CERTIFICATES

Sikagard[®]-552 W Aquaprimer (G) follows the requirements of EN 1504-2

PRODUCT INFORMATION

Composition	Acrylate dispersion
Packaging	20 L plastic pail
Appearance / Colour	Liquid / milky white
Shelf life	12 months from date of production.
Storage conditions	Store in original unopened packaging in cool and dry conditions between 5 °C and 35 °C. Protect from direct sunlight, heat and moisture.
Density	~1.0 kg/l (at +20 °C)
Solid content	~17 % by volume

SYSTEMS

System Structure

1 x Sikagard®-552 W Aquaprimer (G)

APPLICATION INFORMATION

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

Consumption Depending on surface absorption 0.10 - 0.12 kg/m².
Some substrates will require higher consumption than indicated above. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

Ambient Air Temperature +8 °C min. / +40 °C max.

Relative Air Humidity < 80 %

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

Substrate Temperature +8 °C min. / +40 °C max.

Waiting Time / Overcoating Waiting time before coating:

Substrate temperature	Time
+8 °C	12 h
+20 °C	5 h
+35 °C	2.5 h

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 (G).

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.

Repairs to the substrate, filling of blowholes / voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur®, Sika® MonoTop®, SikaTop®, SikaRep® or Sikagard® range of materials, refer to the latest product data sheet. For cement based products, allow a curing time of at least 5 days before coating (except when the EpoCem is used, then coating can be applied after 24 hours).

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 (G) as primer. For solvent based coating please contact Sika Technical Department for clarification.

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.

CURING TREATMENT

Sikagard®-552 W Aquaprimer (G) does not require any special curing but must be protected from rain for at least 30 minutes at +20 °C.

CLEANING OF EQUIPMENT

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

IMPORTANT CONSIDERATIONS

Do not apply when there is:

- Expected rain

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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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ISO 9001: Sika UAE LLC,
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ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

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