

Product Data Sheet
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Identification no:
010303030070000005
Sikagard®-540 W

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High build, decorative and protective coating

Product Description

Sikagard® 540 W is a one component, acrylic emulsion based, pigmented, high build, protective coating.

Uses

- Sikagard®-540 W is easily applied to concrete and mortar substrates to provide a durable, protective coating with excellent resistance to weathering and to enhance the aesthetic appeal of the structure.

Characteristics / Advantages

- Easy to apply
- Excellent U.V resistant
- Water vapour permeable
- Solvent Free
- Easy to clean

Tests

Approval / Standards

Product Data

Form

Appearance / Colours	Liquid	White, Cream and Concrete grey
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Packaging	5, 20 and 200 litre containers
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Storage

Storage Conditions / Shelf-Life	12 months from date of production if stored properly (+5°C to +30°C) in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
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Technical Data

Chemical Base	Water based acrylic
Density	~ 1.30 kg/l (at +20°C)
Layer Thickness	d_{\min} (minimum required thickness to achieve the required characteristics -) = 120 microns dft.

System Information

System Structure	Primer: Sealobond® Primer Topcoat: Sikagard® 540 W
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Application Details

Consumption	6 – 8 m ² /litre per coat (minimum two coat application)
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Substrate Preparation	Exposed concrete without existing coating: The surface must be dry, sound and free from loose and friable particles. Suitable preparation methods are steam cleaning, high pressure water jetting or blast cleaning. New concrete must be at least 28 days old. If required, a levelling pore sealer (e.g. Sika® MonoTop®-620) should be applied. For cement based products, allow a curing time of at least 4 days before coating. Exposed concrete with existing coating: Existing coatings must be tested to confirm their adhesion to the substrate - adhesion test average >0,8 N/mm ² with no single value below 0.5 N/mm ² . Inadequate adhesion: Existing coatings must be completely removed by suitable methods and the substrate must be sufficiently sound and suitable to be coated as above. Adequate adhesion: Thorough cleaning of all surfaces by steam cleaning or high pressure water jetting In case of doubt, carry out adhesion testing to determine suitability - wait at least 2 weeks prior to conduct the adhesion test - an average value of 0.8 N/mm ² is required with no single value below 0.5 N/mm ² .
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Application Conditions / Limitations

Substrate Temperature	+ 8°C min. / + 30°C max.
Ambient Temperature	+ 8°C min. / + 30°C max.
Relative Air Humidity	< 80%
Dew Point	Temperature must be at least 3°C above dew point.

Application Instructions

Mixing	The materials are supplied ready for use. Stir thoroughly prior to application.
Application Method / Tools	Sikagard®-540 W 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	6 hour waiting time between coats at +20°C substrate temperature.

Notes on Application / Limitations	Do not apply when there is: <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®-540 W does not require any special curing but must be protected from rain for at least 4 hours at +20°C.
Applied Product ready for use	Full cure: ~ 7 days at +20°C
Notes	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 Restriction	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 product uses.
Health and Safety Information	
Protective Measures	No special precautionary measures are necessary for Sikagard®-540 W. General protective and hygiene measures shall be taken. For more detailed information, please ask for the Material Safety Data Sheet.
Ecology	
Transportation Class	
Important Notes	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Material Safety Data Sheet.
Toxicity	
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 or accessed on the Internet under www.sika.co.za .



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