Construction

Sikagard®-540 W

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
Packaging	5, 20 and 200 litre containers	
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.	

Technical Data

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

System Information

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

Application Details

Consumption	6 – 8 m^2 /litre per coat (minimum two coat application)
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/mm² is required with no single value below 0.5 N/mm².

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.

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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®-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

Sika South Africa (Pty) Ltd
9 Hocking Place,
Westmead, 3608
South Africa

E-mail: headoffice@za.sika.com
Phone +27 31 792 6500
Telefax +27 31 700 1760
www.sika.co.za

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