

PRODUCT DATA SHEET

Sikagard®-5361

Solvent-free damp tolerant tidal zone epoxy coating

DESCRIPTION

Sikagard®-5361 is a high performance solvent free, two part epoxy coating designed to provide corrosion resistance and abrasion protection in extreme service applications. This specially designed epoxy system has very high penetrating properties and adhesion on wet concrete and steel substrate.

USES

Sikagard®-5361 is designed to provide corrosion protection for metal and concrete structures in offshore marine and petrochemical services, sheet piles, underground and submarine pipes, waste water tanks, jetty piles, underground tanks and other structural steel that requires protection against corrosion in aggressive environment.

It is most suitable for use where concrete surfaces are damp and cannot be dried out. Suitable for maintenance of splash and tidal zones.

CHARACTERISTICS / ADVANTAGES

- Corrosion, chemical and abrasion resistant
- Tough and impermeable, excellent resistance against salt and water
- Can be applied directly to mild steel and concrete at tidal / splash zone
- Excellent adhesion to wet surface
- Deep penetration into concrete surface to avoid peeling
- Tough and impermeable, excellent resistance against salt and water
- Apply at tidal zone and cures under water after application

PRODUCT INFORMATION

Packaging	Part A	4 kg can
	Part B	1 kg can
	Part A + B	5 kg set
Colour	Concrete grey	
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in cool dry conditions below 25 °C. Keep away from direct sunlight.	
Density	~1.4 kg/L	
Solid content by volume	100 %	

APPLICATION INFORMATION

Mixing Ratio	4 : 1 by weight
Consumption	~4.76 m ² /kg at ~150 micron Dry Film Thickness (DFT) The DFT of the coating (including the nos. of coat) shall be specified/de-

terminated by the Engineer.

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage.

Pot Life	25 minutes (varies with temperature)	
Curing Time	Initial cure	12 hours
	Full cure	7 days
Tack Free Time	~2 hours at 25 °C	

BASIS OF PRODUCT DATA

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.

IMPORTANT CONSIDERATIONS

- Avoid formation of puddles on substrate surface when applying Sikagard®-5361.
- Always ensure adequate fresh air ventilation when using Sikagard®-5361 in confined spaces.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and the material cracking.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrates must be clean and free from all contaminants such as dirt, oil, grease, coatings and surface treatments that may inhibit bonding.

All dust, loose and friable materials must be completely removed from all surfaces before application of coatings.

Steel

For maximum protection, sand blast to remove surface contaminants and create surface profile about 50 to 75 microns.

Concrete

Wet blasting or high pressure water jet blasting is recommended to remove surface contaminants before application of coatings.

MIXING

Stir each component separately using an electric drill (~750 rpm) fitted with a paint mixer or wing type mixing paddle. Then pour the entire Part B into Part A and continue mixing for 2–3 minutes until a homogenous mix is observed. Decant the mixed material into another clean container and mix for another 30–60 seconds. Sikagard®-5361 is now ready to be applied on the substrate.

Important Note:

- Mix only full set of Sikagard®-5361. Part mixing by weight is not recommended.
- Manual mixing or hand mixing of Sikagard®-5361 is not recommended. Always use an electrical/mechanical mixer.
- Thinning is not recommended.
- For more information on mixing, please contact Sika Technical Service Department.

APPLICATION

Sikagard®-5361 can be applied by brush, roller or spray.

CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C immediately after use. Hardened or cured material can only be mechanically removed.

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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