

PRODUCT DATA SHEET

Sika Zinc Rich[®]-1

ONE COMPONENT EPOXY ZINC RICH PRIMER

DESCRIPTION

It is an epoxy one component primer, modified with zinc to provide protection against corrosion for steel and iron structures.

USES

As an anti corrosive primer directly applied on prepared metal surfaces in industrial and marine areas.

CHARACTERISTICS / ADVANTAGES

- Highly bonded to regular steel .
- Very good impact resistance.
- Not applicable to be applied over galvanized steel .
- Excellent resistance to water, weathering and abrasion.
- Excellent rust inhibiting properties.
- Excellent adhesion between reinforcement bars and concrete.

APPROVALS / CERTIFICATES

Sika Zinc Rich[®]-1 has been tested as per SCAQMD Rule 1168.

Result: VOC Content < 400 g/L

PRODUCT INFORMATION

Composition	Epoxy modified Zinc with Zinc content > 45%
Packaging	1 Kg and 5 kg tins
Appearance / Colour	Metal Gray
Shelf life	12 months from date of production if stored properly in original unopened packing
Storage conditions	In dry conditions far from direct sunlight.
Density	2.00 kg/l

APPLICATION INFORMATION

Consumption	300 gm/m ² For DFT 100 micron
Product Temperature	Minimum 5 °C
Drying Stage 6	Dry to Touch 20 min
Curing Time	4 - 7 days For full curing depending on Ambient Air Temperature , Relative Air Humidity
Waiting Time / Overcoating	100 min
Drying time	Depending on layer thickness and temperature final hardness is achieved.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Sand-blasting is recommended. Substrate must be clean free from oil, grease and other impurities.

MIXING

Sika Zinc Rich® -1 is supplied ready for use. It must be stirred thoroughly before and during application, preferably with an electric stirrer.

APPLICATION

By Brush or Roller:

With round brush or normal roller. The material is easy to apply, if applied uniformly and richly.

By Spray:

Pressure vessel with high pressure air gun, 1.8 – 2.0 mm nozzle, 3-4 bar. Apply perpendicularly in case of double coating. The second coat applied minimum 1 hour after the first coat.

FURTHER INFORMATION

- Fresh layer of Sika Zinc Rich - 1 must be protected from moisture and rain water .
- When more than one layer is required , broadcast the underneath surface where it is still tacky to enhance the mechanical bonding .

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.

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.

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.

- Use goggles, gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleaner, soap and water.
- Eye splashes to be washed with plenty of water.
- If ingested seek medical advice.

Ecology

- Do not dispose of into water or soil but according to local regulations.

Transport

- Non-hazardous.

Toxicity

- Non-Toxic under relevant health and safety codes.

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. It may be necessary to ad-

apt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Product Data Sheet

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