

PRODUCT DATA SHEET

SikaCor®-1501 Zinc

Zinc-rich cold galvanizing coating

DESCRIPTION

SikaCor®-1501 Zinc is a one component zinc-rich coating which protects metal surfaces with a film of sacrificial zinc in a manner similar to hot dip galvanizing. The dried film contains zinc which protects steel surfaces subjected to a variety of corrosive influences, and is particularly useful for recoating of spot-priming weathered or damaged galvanized surfaces. It has excellent recoating properties, therefore can be over coated.

USES

SikaCor®-1501 Zinc may only be used by experienced professionals.

- Electrical transmission towers and related structures
- Structural steel: concrete rebar, bridges, buildings and offshore rigs
- Chemical process piping and equipment
- Pulp and paper equipment
- Oil and gas production, processing and distribution equipment

CHARACTERISTICS / ADVANTAGES

- Easy to brush or spray
- No pot life limitation
- Excellent salt and anti-corrosion protection
- Excellent wetting and penetration properties.
- Very quick drying
- Excellent adhesion

PRODUCT INFORMATION

Packaging	5 kg pail	
Appearance / Colour	Metallic grey	
Shelf Life	12 months from date of production	
Storage Conditions	Store in original container in cool dry place in between 10 °C and 30 °C.	
Density	1.58 ± 0.03 kg/l	(ASTM D2939)
Solid content by weight	75 ± 2 %	(ASTM D1475)
Solid content by volume	33 ± 2 %	(ASTM D5201)

TECHNICAL INFORMATION

Tensile Adhesion Strength	> 7 MPa (35 microns DFT on uncoated mild steel plate) (ASTM D4541-09)		
Chemical Resistance		Splash & Spillage	Fumes
	Water	Excellent	Excellent
	Salt Water	Excellent	Excellent
	Acid	Poor	Poor
	Alkali	Poor	Poor
	Solvent	Fair	Good

APPLICATION INFORMATION

Thinner	Sika® Thinner C		
Consumption	0.17 kg/m ² at 35 microns DFT (dry film thickness). The recommended dry film thickness is 35 microns in a single coat. Can vary depending on application method, temperature, profile and porosity of the substrate.		
Waiting Time / Overcoating	1 hour min. at 35 °C		
Drying Time	Dust free	~5 minutes	at 35 °C
	Hard dry	~30 minutes	

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.

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

SURFACE PREPARATION

Surface to be painted must be free from dirt/grease, scales, rust, salt and chemical contaminations. If required, clean all surfaces with a water soluble, environmental friendly degreaser mixed with clean, fresh water. Allow surface to dry before coating.

Manual Preparation

Prepare surfaces to be coated using rust scrapers, chipping hammers, needle guns, wire brushes to St2 standard of EN ISO8501-1:1998 or equivalent. Ensure all scales and rust are removed. Wash down with clean water prior to application. Allow to dry.

Mechanical Preparation

Blast clean to minimum Sa1 standard of EN ISO8501-1:1998 or equivalent, with a surface profile of 50 to 75 microns. Wash down with clean water and allow to dry.

APPLICATION

Airless Spray

To achieve the recommended working pressure requires the use of 63:1 Graco King airless unit or equivalent. Apply using a heater block at 35–40 °C (Setting No.3). The product can also be applied using plural component spray equipment.

- Output fluid pressure: 3 500–4 000 psi
- Tip size: 17–21 thou
- Fan angle: 50°

Brush / Roller

When applying by brush, lay/apply a neat layer of SikaCor®-1501 Zinc, do not over brush. When using rollers, thin SikaCor®-1501 Zinc by adding max. 5 % of Sika® Thinner C. Apply using a short nap roller. Thinning is not allowed for potable water structures.

Stripe Coating

Stripe coat all edges, nuts, bolts, welds etc.

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.

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, sub-

strates 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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