

Anti-corrosive coating for steel surfaces

KONTAKT CHEMIE Zink 62

Description:

Epoxy ester coating with zinc powder

General properties and applications:

KONTAKT CHEMIE Zink 62 forms an active galvanic anti-corrosion film. The metal powdered coating acts as a "sacrificial coating". The Zinc is slowly converted by corrosive media into a water-insoluble zinc oxide coating; this process and the coating which is formed protect the base material from further attack. KONTAKT CHEMIE Zink 62 is still active even when there are cracks in the lacquer coating.

KONTAKT CHEMIE Zink 62 is used as a protective paint for steel constructions, particularly for the improvement of galvanised surfaces. Surfaces treated with KONTAKT CHEMIE Zink 62 can be electrically welded without difficulty. The product is suitable therefore as corrosion protection for parts which become inaccessible after they have been fitted.

Technical data

Density at 20°C	FEA 605	1,45 g/cm ³
Flash point		< 0°C
Coverage for 30 µm coating thickness	calculated	0,5 m ² /200 ml Aerosol
Tack-free time at 20°C	In-house method	15 min
Curing depending on coating thickness	In-house method	24 h to 72 h
Purity of Zinc pigment		> 98 %
Content of zinc in the dry film		Min. 88 %
Properties of the cured lacquer film for 40 µm to 60 µm coating thickness		
Adhesion to steel	ASTM D 3002	Gt = 0
Temperature resistance, 4 h		200°C
Salt spray mist test on cold-rolled steel sheets (film thickness min 30 µm)	ASTM B117	350 h
Hardness after 24 h	PERSOZ	106
Hardness after 1 week	PERSOZ	142

Application instructions:

Shake the aerosol well before use until the mixing balls rattle in the can. Then shake for a further 30 s.

Remove dirt and rust with a wire brush. Apply to dry, grease-free surfaces. Two thin coatings sprayed at an interval of 15 minutes are better than one thick coating. The optimum coating thickness is approx. 40 µm. At the end of work, turn the can on its head and spray until only propellant comes out. During the application process the ambient temperature shall be at least 10°C. The temperature of the surface shall be at least 5°C and at least 3° C above the dew-point temperature.

KONTAKT CHEMIE Zink 62 can be overpainted with many lacquers. Unfortunately, because of the many paint systems on offer today it is not possible to compile compatibility tables. Suitability must be verified by the user. To do this, paint a test surface with KONTAKT CHEMIE Zink 62 and cover it with the desired top coating after a day. After a further day, no bubbles or other changes must be visible. Biggish pieces must not flake off when the coating is scratched with a sharp scalpel. For more accurate testing we recommend a cross-cut test based on ISO 2409.

Available:

aerosol : 200 ml

These values are not intended to be used as specifications. They are based on what we believe reliable. However it is the user's responsibility to determine the suitability.



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