



Zinc-Spray

Technical Data Sheet
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Sprayable Zinc Dust Corrosion Protection Primer in an Aerosol Can Basis: Zinc with Epoxy Agent

Characteristics Zinc-Spray is a sprayable, rapid curing zinc dust corrosion protection primer in an aerosol based on zinc, with an epoxy bonding agent. The material provides optimal protection against corrosion for iron and steel as a result of its electro-chemical interaction. The dry film bonds well to cleaned metal parts and features a high resistance to abrasive wear. It also conducts electricity, wet as well as dry. As a result of its "self-healing properties" Zinc-Spray is able to close small lesions and hence offer lasting protection for the steel surfaces.

Application Areas Zinc-Spray is used in vehicle bodywork repairs to galvanize welding points and the joints of those parts which were originally galvanized, in particular those which will not be painted. Zinc-Spray also serves as corrosion protection between welding flanges during MIG and spot welding. Zinc-Spray is used in structural steel engineering, in equipment, machinery, boat and appliances manufacture. It is particularly applied when high requirements for corrosion protection and mechanical strain are demanded.

Technical Data

Colour:	grey
Odour:	of solvents
Density:	ca. 1.0 g/cm ³
Corrosion resistance:	
salt spray test DIN 50021:	no corrosion
(35°C, salt solution 5 %, 1 h	
Dry-film thickness:	70 µm
Adhesion according to DIN 53151:	Cross cut characteristic value GT 0-1
Cleaning:	Acetone
In service temperature range	
and temperature resistance:	-50°C to 500°C (primer fully dried)

Application

Preliminary remark
Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labelling, the relevant precautions should always be observed.

Pretreatment
Surfaces to be treated with Zinc-Spray have to be cleaned well and rust must be removed. In addition any old coats of paint or rust converters etc. should not be overspread, but should be removed prior to spraying. The areas must be dry and grease, dirt and dust free. Where possible the surfaces should be sanded; steel surfaces are prepared by sand blasting to SA 2.5 according to DIN 55928.

Application conditions

Zinc-Spray should not be applied below 10°C and above 80°C relative humidity. The temperature of metal surfaces must not exceed 30°C, however, metal temperature should at least be 3°C above dew point.

Application

The material should have room temperature at time of application. Shake can well, continuing for 1 minute after the ball-bearing becomes audible. Hold can vertically while spraying and apply in two to three crossing patterns at a distance of about 20 to 30 cm.

After use the can should be inverted and the spray activated until the jet is cleared and only propellant is emitted.

Drying

Both air-drying and oven drying are possible. Where air-drying is used the ambient temperature, the effective metal temperature and also the relative humidity can affect drying times. Forced oven drying assists curing.

The following data can be used as guidelines for air-drying:

Dust-dry:	ca. 30 mins
Touch-dry:	ca. 60 mins
Cured:	8–12 hrs

for oven drying:

Ventilation time:	ca. 10 mins
Baking time:	ca. 30 mins
Baking temperature:	60–80°C

Painting

In instances where painting is necessary, a trial coat should be applied to the **thoroughly dried** Zinc-Spray coating to test compatibility. Good results are obtained with one component finish paints.

Cleaning

Remove splashes immediately with acetone or Cleaner-A.

Storage

Frost-sensitive	no
Recommended storage temp.	10°C to 20°C (protect from temperatures over 50 °C)
Shelf-life	18 months

Packaging

Aerosol Can	300 ml	Art-No.167.80P(D/GB/F/NL)
Aerosol Can	300 ml	Scandi-Code 183

Hazard Indications/

Safety Recommendations/

see Safety Data Sheet

Transport Regulations

Important

The above data, particularly the recommendations for application and use of our products are based on our knowledge and experience. Due to different materials and conditions of application which are beyond our knowledge and control we recommend strongly to carry out sufficient tests in order to ensure that our products are suitable for the intended processes and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.



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