

Technical Instruction Sheet

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- Properties:** AKEMI® Zinc Spray is a high-quality, one-component zinc dust paint which contains solvents. The propellant is free of chlorofluorocarbon (CFC). The product is characterized by the following properties:
- long-lasting, active, cathodic corrosion protection
 - smooth film without pores
 - can be coated with paint
 - compatible with spot welding
 - electrically conductive
 - conditional heat resistance up to 500° C.
- Application areas:** AKEMI® Zinc Spray is used as a primer for car repairs, to rework or repair galvanized surfaces and as a protection against corrosion for exhaust pipes, heat exchangers, steel constructions and outside piping.
- Instructions for use:**
1. The surface it is to be applied to must be free of rust, grease and oil. It has to be thoroughly clean, dry and slightly abraded.
 2. Areas which are not to be painted should be covered up with masking tape or paper.
 3. Before using, shake the can well for several minutes after hearing the steel balls rattle. Best application temperature +15°C to +25°C.
 4. Apply a running layer (1-1½ cross-coats at a distance of approx. 25 cm) of Zinc Spray.
 5. The paint layer does not adhere dust after approx. 20 minutes and is dry enough to handle after approx. 50 minutes. After at least 24 hours it can be coated with paint using the majority of commercially available paints (check the compatibility first). It is recommended, absolutely necessary for 2K-paints, to apply first a thin layer.
- Special notices:**
- Use AKEMI "Liquid Glove" to protect your hands.
 - Do not use at too high temperatures or in intensive sunlight. Drying would take place too quickly and the finish will not be perfect.
 - If the applied layer is too thick, it will not dry through properly.
 - It is necessary to clean the spray nozzle when you have finished your work.
 - Areas which have accidentally been sprayed with paint can be cleaned using AKEMI® Universal Dilution (check the compatibility).
 - The food laws do not accept the use of any zinc dust paints in the vicinity of foodstuffs.
 - not suitable in combination with polyester fillers.
- Technical specifications:**
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| colour: | grey |
| density: | approx. 1.28 g/cm³ |
| zinc content of zinc pigment: | 98.5 % |
| zinc content of dry film: | 90.5 % (min. content in accordance with DIN 50976 August 1980: 90 %) |
| drying: | dust free after approx. 20 minutes
dry enough to handle after approx. 50 minutes
dried through after approx. 24 hours |
| oven drying (allow 15 min. for dissipation): | 15 min. at 180° C or 20 min. at 140° C |
| salt spray test: | 1000 hours (SS DIN 53210) |
| coverage: | approx. 1.4 – 1.7 m² / spray can |
| shelf life: | can be stored for approx. 2 years in the closed original container under cool and frost-free conditions. |
- Safety notices:** Please refer to the EC safety data sheet.
- Notice:** The above information is based on the latest stage of our development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.

