

# TECHNICAL DATA SHEET

## SWISSTEK ZINC RICH COLD GALVANIZING SPRAY

### 1. DESCRIPTION

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SWISSTEK Zinc Rich Cold Galvanizing Spray forms a fast-drying and adherent protective layer that is resistant to various chemicals. It effectively protects all metal surfaces against rust and corrosion, containing over 99% pure zinc. This product provides a matte finish and can withstand temperatures up to 550°C without degrading, making it suitable for materials that may be welded (except argon welding). The formulation is guaranteed free from CFC. The spray is dust-dry after approximately 15 minutes and can be smoothed and painted over without pre-treatment after around 12 hours.

### 2. PROPERTIES

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- **Galvanic Protection:**  
Provides protection against thermal and chemical corrosion.
- **Corrosion Resistance:**  
Effective in salty and other corrosive atmospheres.
- **Wide Temperature Range:**  
Resists temperatures from -50°C to 550°C.
- **High Coverage Ability:**  
Delivers even coverage without running or excessive thickness.
- **Excellent Finish:**  
Produces a smooth and attractive finish.
- **Quick Handling:**  
Tack-free and can be handled in 10 to 15 minutes at 25°C; fully cured after 12 hours.
- **Easy Application:**  
Aerosol formulation allows for quick, even spraying.
- **Paintable Surface:**  
Can be painted over after curing.
- **CFC Free:**  
Environmentally friendly formulation.

### 3. TECHNICAL PROPERTIES

| PROPERTY               | SPECIFICATION                 | PROPERTY                  | SPECIFICATION                      |
|------------------------|-------------------------------|---------------------------|------------------------------------|
| Appearance             | Colored liquid in aerosol can | Drying Time (Surface Dry) | 6–8 minutes                        |
| Color                  | Metallic matte silver grey    | Drying Time (Hard Dry)    | Minimum 1 hour                     |
| Odor                   | Solvent                       | Complete Curing           | 12 hours                           |
| Binding Agent          | Alkyd resin                   | Paintable After           | 12 hours                           |
| Pigment                | Zinc and aluminum pigment     | Dry Film Thickness (DFT)  | 20–40 µm                           |
| Specific Gravity       | 0.995 ± 0.08                  | Resistance to Brine       | 280 hr uncracked film              |
| Content                | 400 ml                        | Mandrel Bend Test         | DIN EN ISO 1519 (no hair cracking) |
| Processing Temperature | +18 to +35°C                  | Topcoat Required          | Not required                       |
| Inside Pressure @ 28°C | 0.40 ± 0.10 mPa               | Temperature Resistance    | –50 to +550°C                      |

### 4. TYPICAL APPLICATIONS

- Shake vigorously until the glass agitator rattles in the can.
- Hold the container approximately 25 cm away from the object to be painted.
- Keep the can in motion from side to side to ensure even coating.
- It is recommended to apply several thin coats with a minimum interval of 10 minutes between applications.
- Store the can at room temperature for best results.

### 5. SURFACE PREPARATION

- Remove all traces of rust by brushing, sanding, or shot blasting. Clean off oil and dirt with appropriate cleaners and treat with IPA.
- Shake the spray can thoroughly for at least 1 minute at each interval of use.
- Hold the can approximately 25 to 30 cm away from the surface. If overcoating, ensure the previous coating is completely dry.

### 6. STORAGE AND SHELF LIFE

- **Shelf Life:** 18 months when stored under normal conditions, away from direct sunlight.
- **Storage Guidelines:** Avoid temperatures exceeding 50°C due to pressurized gas in the cans. Do not pierce or burn cans, even after use. Avoid spraying on naked flames or any incandescent materials. Keep out of reach of children.

### 7. PACKING

#### PRODUCT VOLUME/PACKAGE

SWISSTEK ZINC RICH COLD GALVANIZING SPRAY 400 ML

### 8. MARKETING AND DISTRIBUTED BY

**Swisstek Ceylon PLC** (An associate company of Lanka Tiles)  
No. 330, Factory Complex, Belummahara, Imbulgoda, Sri Lanka  
Tel: +94 11 780 7000 | Fax: 011 763 4590 | Email: [info@swisstekceylon.com](mailto:info@swisstekceylon.com)

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