

# GALVA ZN + GLOSS Aerosol

## COLD GALVANISATION, METALLISATION - RETOUCHING - GLOSS FINISH

### DESCRIPTION

Recommended for lasting protection of all ferrous and alloyed metal parts.  
Offers a constant-thickness coating with a homogeneous, glossy appearance.  
The film stands out for its excellent appearance.

This galvanisation coating withstands temperatures of 550°C without deterioration, enabling it to be used on parts subjected to very high temperatures. The resulting coating can also be welded (except argon gas welding).

This cold galvanisation treatment presents a host of advantages:

- Total galvanic protection based on the oxidation-reduction principle.
- Protection against thermal and chemical corrosion.
- Film formed, with no runs, excess thickness or deterioration during application, on screwed assemblies.
- Excellent coverage, quickly dust dry, enabling application on all types of site.
- Perfect finish, glossy appearance.
- After complete polymerisation (24 hours at 25°C), can be painted with all types of paint.
- No need to purge the aerosol after use.

This galvanisation coating offers versatile protection of all galvanised metals, after mechanical reworking or welding, and protects against corrosion and oxidation.

**USABLE FROM -50°C TO +550°C. WELDABLE - PAINTABLE**

### FIELDS OF USE

- Galvanic protection.
- Protection of all uncoated metal parts.
- Reworking of hot- parts.
- Treatment for appearance.
- Reworking after machining or welding.
- Surface preparation.
- Electricity pylons, safety rails, traffic signs.
- Industrial flues, flanges, pipes, couplings.
- Machine structures, housings, casings, architectural elements.
- Rivet heads, fasteners, roofing pins, screwed assemblies.
- Electric motor armatures, pump bodies, water meters.
- Hinges, metal doors, metal frameworks.
- Mesh, fencing, opening sashes.
- Plumbing, heat pumps, air conditioners.
- Heating systems, drip tray returns.
- Electrical equipment, vehicles, plumbing.
- Protection of nails and fastenings before plaster rendering.
- Building structures, metalwork.
- Sewage and water treatment plants.
- Livestock buildings.
- Street furniture.



**Nombre d'utilisations X 3**

### iBiotec® Tec Industries® Service

ZI LA MASSANE - 13210 SAINT-RÉMY DE PROVENCE - FRANCE - Tél. +33 (0)4 90 92 74 70 - Fax +33 (0)4 90 92 44 44

ISO 9001 - ISO 14001 - OHSAS 18001 - SMI

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Tec Industries service

#### FOR PROFESSIONAL USERS ONLY

Refer to the safety data sheet.

The information in this document is based on our current knowledge of the corresponding product and is given in good faith. The characteristics listed are not in any way to be considered as sales specifications. Users are reminded that they may be exposed to risks if the product is used for purposes other than those for which it is designed. In parallel, the customer undertakes to agree to our general supplies contract conditions in full, and in particular the warranty and the liability limitation and exclusion clause. This document contains trade and industrial secrets which are the property of Tec Industries Service and, in that they comprise a valued asset, must not be disclosed to third parties pursuant to the French law dated 11 July 1979.

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**AREA COVERED PER AEROSOL: 10 m<sup>2</sup>**

### **MORE UNIFORM**

GALVA ZN+ GLOSS galvanisation coating, applied sparingly on parts to be protected against corrosion, produces homogeneous, drip-free films with no orange peel effect.

### **GREATER PROTECTION**

The ISO 9227 standard defines the conditions for a salt spray test and determines the degree to which a coated surface is protected against physical, chemical and biological agents.

The ISO 4628/3 standard defines how the degree of rusting is assessed after the test.

### **BETTER RESISTANCE**

Once cured, the coatings adhere strongly to surfaces, have excellent scratch resistance and are not transferred during handling.

Adhesion is assessed using cupping tests as defined in EN ISO 1520, after which changes in appearance, cracking and loss of adhesion are checked.

### **PACKAGING**

650 ml aerosol - box of 12.

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## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| CHARACTERISTICS*            | STANDARDS     | VALUES        | UNITS             |
|-----------------------------|---------------|---------------|-------------------|
| Appearance                  | Visual        | Thick liquid  | -                 |
| Colour                      | Visual        | Metallic grey | -                 |
| Odour                       | Olfactory     | Solvent-based | -                 |
| Physical state              | -             | Liquid        | -                 |
| Density at 25°C             | EN ISO 2811-1 | 1640          | kg/m <sup>3</sup> |
| Type of resin               | -             | Composite     | -                 |
| Operating temperature range | -             | -50 to 550    | °C                |
| Closed-cup flash point      | EN 22719      | None          | °C                |
| Moist film thickness        | -             | 10            | µm                |
| Dry film thickness          | -             | 8             | µm                |

\* : measured on the active ingredient

## DRYING TIME

|                                     |                      |
|-------------------------------------|----------------------|
| Dust dry at 25°C                    | 3 minutes 30 seconds |
| Drying time at 25°C before handling | 5 minutes            |
| Total curing time at 25°C           | 24 hours             |

## DIRECTIONS FOR USE

Shake the aerosol thoroughly, in an up-and-down movement, after releasing the ball in the can. Spray from a distance of 15 to 20 cm from the surfaces to be treated, avoiding excess thickness and using criss-crossing strokes as necessary. To avoid adhesion problems, do not spray from a greater distance. The principle of galvanisation is that the zinc particles must bind chemically to the iron atoms in order to achieve extremely low oxidation.

Surfaces to be treated must be prepared with care to ensure long-lasting protection. It is therefore essential that surfaces are degreased, clean and dry, and are free of grease and traces of rust or scale. Clean with a metal brush or sand the surface if necessary. Aerosol may be used in any position. Do not purge the aerosol after use.

Tip: store the aerosols lying flat to reduce the shaking time needed.



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