

## ZIN2

### DURABLE ZINC-BASED PROTECTION BY COLD GALVANIZATION

- Micronized zinc particles create a highly effective protection coating through cold galvanization
- Long lasting and durable
- Corrosion protection salt spray Test 240 and 480 hours
- Approved by TÜV-Rheinland/Germany
- Powerful adhesion due to epoxy modified alkyd and 100% pure zinc powder
- Very high coverage
- Excellent for repairing/replacing hot dip galvanized treated parts
- Stops rust - prevents corrosion through cathode-protection-effect
- Excellent bonding to all types of metals
- Easily to be painted over
- Can be spot-welded
- Tough and flexible surface - will not flake off



### Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

## ZINC 240

### General Information

ZINC 240 is a unique composition of epoxy modified alkyd resin and 100% pure zinc powder. Applied to all metals it creates a flexible but highly resistant and durable zinc-resin coating, which offers very good protection against corrosion by electro-chemical-effect. Even if the applied coating

is scratched or damaged, ZINC 240 will provide protection against corrosion through a cathode-protection-effect between zinc and metal as well as insoluble alkaline products (zinc salts) which develop and protect the surface further against corrosion.

### Technical Information

Physical state: aerosol  
 Color: grey  
 Odour: characteristic  
 Application temperature: + 10°C to + 25°C  
 Operating temperature: - 50 to + 130°C  
 Boiling point: - 24,8°C  
 Lower explosion limit: 1 Vol. %  
 Upper explosion limit: 18,6 Vol. %  
 Flash point: - 41°C  
 Ignition Temperature: 465°C  
 pH: Mixture is non-polar/aprotic.  
 Vapour pressure (at 20°C): 5000 hPa  
 Density (at 20°C): 1,042 kg/dm³  
 Organic solvents: 64,3%  
 Solids content: 5,1%  
 Fast drying skin, free of pores  
 Dust dry at 20°C: after 5-7 minutes  
 Coverage: two-pass coating (20°C & 50% rel. humidity): approx. 4 m²

Over-paintable: after min. 6 hours for standard paints, 24 hours for high solvent paints

Salt spray test resistance acc. to DIN EN ISO 9227 NSS:  
 2-pass coating (30-50µm): min. 240h  
 3-pass coating (70-90 µm): min. 480h  
 Cert.-no. EB 1692249, TÜV-Rheinland

Condensation-water test resistance acc. to DIN EN ISO 6270-2:

2-pass coating wet-in-wet (30-50µm): min. 1.000h  
 3-pass coating wet-in-wet (70-90 µm): min. 1.416h  
 Cert.-no. EB 1692249, TÜV-Rheinland

!!Shake for a minimum of 2 minutes with inside mixing ball noise noticeable before use!!

Shelf life: 12 months, keep dry, cool and free from frost  
 Safety measures: consult the safety data sheet

### Application and Use

- Applied to reinstall corrosion protection of hot dip galvanized surfaces damaged by welding, drilling, cutting, grinding or other mechanical treatments.
- Can also be used to for sealing and corrosion resistance treatment of hollow spaces, tubes and concave parts.
- Other typical applications, where ZINC 240 has proved its value: hot water tanks, metal welding constructions, fences, railways and earth moving equipment, cooling towers, agricultural equipment, metal windows and doors, roofs, discharge chutes, laundry and car wash installations, oil refineries, steel bridge constructions, steel frames, air conditioning units, signaling installations, storage tanks, pumps, compressors in the chemical industry etc.
- Perfectly suitable for coastal boating and shipping equipment which suffer contact with salt water environments and generally for tidying up of weather beaten galvanized parts.
- Also to be applied as undercoating for cars, trailers, heavy equipment before putting on top coating of paint and lacquer.
- AFTER USE: to clean the nozzle and to prevent blockage, hold the can upside down and spray until only gas is released.
- Make sure that surfaced/parts to be treated are clean and free soil and oil/grease. Pre-treat and clean with MULTIFOAM or SAFETY CLEAN!
- Apply required number of coatings as per desired corrosion resistance level (see TECHNICAL INFORMATION above).
- To match color of originally hot dip galvanized surfaces (lighter color), use TECHMASTERS "ZINC GUARD".
- For cleaning and pre-treatment of surface before applying ZINC 240 please use SAFETY CLEAN and NOVAKLEEN as directed.

Article nr	Name	Content	Section
T111002	Zinc 240	500ml	SURFACE PROTECTION AND TREATMENT

