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NZI

NOVA ZINC

A UNIQUE PRODUCT FOR THE PROTECTION OF METALS BY COLD GALVANISING

- Stops rust - prevents corrosion and moisture.
- Excellent bonding to all types of iron and steel.
- Strong adhesion due to the combination of selected resins and pure zinc powder (99%).
- Micronised particles create a high galvanising action. Long lasting effects.
- Can be painted over.
- Can be spot-welded.
- Tough, flexible, will not flake off.
- Can repair and replace hot galvanising.
- TÜV-approved.

GENERAL INFORMATION

NOVA ZINC is a new scientific composition of pure zinc powder (99%), resins and other components. Applied to ferrous metals and aluminium it forms a tough but flexible zinc metal film, which by electrochemical action offers excellent protection against corrosion, even when the coating is scratched or worn down.
There is an essential difference between NOVA ZINC and paint. Paint and primers protect by forming a "skin".
NOVA ZINC however gives protection against corrosion by the galvanic action between zinc and iron.
Electrochemically expressed : under the influence of water vapour and oxygen the zinc powder works as an anode and the metal under it as a cathode. Cathodic protection. Corrosion affects only the zinc and not the base metal.
When a paint skin is damaged, corrosion will appear and will also run under the undamaged paint. If the NOVA ZINC coat gets damaged then unsoluble alkaline products (zinc salts) will be formed. In other words the injury recovers itself and thus continues protecting the suface further against corrosion, as opposed to paints and primers.

TECHNICAL INFORMATION AND PACKAGING

NOVA ZINC resisted a salt spray test for 2135h (5DIN 53.167).
NOVA ZINC exceeds the Preece Test (ASTM Des. A 239-41) for hot galvanizing requirements.
Temperature resistance: up to 490°C.
Fast drying skin, free of pores.
Dust dry at 20°C: after 5-7 minutes.
Treatable, waterproof and ready for 2nd coat: after 15 to 30 minutes.
Repaintable: after 24 hours (most paints).
Curing time: 14 days.
Accelerated drying after 10-15 minutes evaporation: 15 minutes at 180°C or 20 minutes at 140°C.
Repaintable after 15-30 minutes at room temperature.
1 can covers 4m2.
Shelf life: 12 months, keep dry, cool and frost-proof.
Safety measures: consult the Safety Data Sheet.

APPLICATION AND USE

- repair of thermal galvanized surfaces damaged by welding, drilling, cutting or other treatments pumps, thanks and compressors in the chemical industry
- protection of welded parts against corrosion
- sealing of hollow spaces
- other typical applications where NOVA ZINC has proved its value: hot water tanks and cables, equipment, transmission pylons, fences, railways and earth moving equipment, cooling towers, agricultural tools, aluminium windows and doors, roofs, discharge chutes, abattoir, laundry and car wash installations, oil refineries, outlet systems, bridges, steel frames, air conditioning, signaling and drilling installations, storage tanks and so on...
- coastal and shipping installations which suffer from salt water
- as replacements of hot galvanising
- tidying up of weather beaten galvanised parts
- as undercoating for cars, trailers, heavy materials, ...

Article nr	Name	Content	Section
N111001	Nova Zinc	400ml	SURFACE PROTECTION AND TREATMENT

NOTICE