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| RUST ANODECold Galvanising |

###### THE ADVANTAGES OF RUST ANODE COLD GALVANISING COMPOUND

### RUST INHIBITION

The extraordinary rust inhibitive properties of RUST ANODE are shown by tests to be superior to more expensive measures of coating steel

**SURFACE PREPARATION**: The preparation of the surface to be treated is reduced to a minimum since it is not required to be chemically clean as with other treatments. It is only necessary to remove loose scale and powdered rust with a wire brush and to ensure that the surface is free from paint and grease. Sand, Shot or Grit Blasting Is the most effective where possible.

##### HIDING POWER & SPREADING: The product has excellent hiding power and coverage, which makes it economical to use. Only one coat is necessary, except in severe conditions, when two coats would be recommended.

##### SURFACE TOOTH: A RUST ANODE surface constitutes an ideal base for the application of any further decorative finish if a colour other than battleship grey is required. When further coatings are of a bitumen base a high pigment content sealer should be used.

##### TEMPERATURES: The product will withstand temperatures up to 204°C and has been shock tested between -4OOºC and +204°C with no signs of crazing, breaking up or loss of adhesion. Corrosion resistance remains unimpaired.

#### TENSILE STRENGTH: The material has a high tensile strength and always remains sufficiently ductile not to be affected by linear expansion or even severe distortion.

##### BURNISHING: A pure bright metallic zinc finish can be obtained very simply by brushing the surface when quite dry with a brass wire brush. The result illustrates convincingly the practically pure zinc composition of the dried film.

**DRYING TIME**: Touch dry within 30 minutes under normal conditions, Second coat application within 40 minutes. Sealer/Isolator coat application after 8 hours.

##### NON-FLAMMABLE: The product is non-flammable when dry. In the liquid state the flash points are sufficiently high enough to eliminate fire hazards. 36°C.

##### TOXICITY: The material is entirely non-toxic (when dry) and can be used with all safety for food containers, fresh water tanks etc.

##### CONDUCTIV1TY: The conductivity of the material when dry is almost equal to that of pure zinc and for this reason it has found extensive use as a Welding Primer.

**RUST ANODE** is liquid zinc, which when applied to a steel surface dries outin a 95% pure zinc coating. This coating bonds itself to the steel, completely protecting it fromcorrosion. Even if the zinc film is damaged orscratched it is impossible for rust to creep between it and the surface it is protecting.

As a priming coat **RUST ANODE** gives permanent protection providing that the finishing coat is intact. If the finishing coat is damaged RUST ANODE will prevent corrosion by its sacrificial qualities - the period of protection being dependant onthe corrosive content of the atmosphere to which the coating is exposed. The period can vary from15 years in a country district to 2 years in an industrial area.

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| TECHNICAL DATACoverage Brushing grade 10-12 M²/litre Colour Battleship Grey (Subject to surface profile) Film thickness (Brushing) 50 microns  Weight of zinc deposit 30gsm per M²/per kilo Zinc content Dry Film 95% Drying times touch dry 15-45 minutes @ 20ºC  Wet Film 85% Through Cure 6 - 8 hours @ 20ºC Viscosity 18-20 sec’s (Typical) Stoving @ 176ºC through cure 1 hourSpecific Gravity 2.4 (Typical) @ 232ºC through cure 30minutesFlash Point 36ºC Weight per litre 2.4 Kilo’s (Typical) Over coating Allow 24 hours |

**RUST ANODE** Provides a Cold Galvanising type of coating due to the very high Zinc content (95%). When correctly applied **Rust Anode** is

Superior to hot dip galvanising, by providing a complete Zinc barrier without the presence of brittle and rapidly corrodible, Iron/Zinc alloy film always

Present in Hot Dip Coatings.

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Manufacturers of RUST ANODE anti-corrosion Products, Aerosols and Tool Shop Specialties