

iBiotec®

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY
PROCESSES - MRO - MAINTENANCE
ALTERNATIVE SOLVENTS 100% SAFE**

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iBiotec® ZN MÉTAL

COLD GALVANISING AEROSOL Mettalisation Touch Up

Exceptional anti-corrosion and mechanical properties

No dust adhesion after 4 minutes

Can be handled after 7 minutes

Fully cured in 24 hours

Chorinated solvents Ketones

Xylene Toluene NMP NEP

CMR

FREE

DESCRIPTION

Cold galvanising aerosol with high zinc content, recommended for a long-lasting protection of all ferrous metal or alloy elements.

Gives constant thickness galvanising, with a smooth.

Film gives an exceptionally high quality finish.

Cold galvanising aerosol ZN METAL iBiotec resists temperatures of 550°C with no deterioration. This property allows it to be used for any application, on surfaces subject to very high temperatures. In addition, the resulting coating can be welded (not under argon).

This cold galvanising aerosol offers many advantages:

- 100% galvanic protection, with redox reaction.
- Protection against both thermal and chemical corrosion.
- Film applied without runs, without overthickness, and does not deteriorate when applied on screw assemblies.
- High covering power, quick dust-dry, facilitating application on all types of site.
- Perfect finish.
- When fully cured (24 hours at 25°C), it can be painted with any type of paint.
- No need to purge the aerosol after use.

This galvaniser provides a multi-function action, for the protection of all galvanised metals, after mechanical reworking or welding, and also prevents corrosion and oxidation.

PHYSICAL-CHEMICAL - MECHANICAL - ANTI-CORROSION PROPERTIES

CHARACTERISTIC	STANDARD or METHOD	VALUE	UNITS
Finish	-	paint	-
Colour	-	Ultra-Glossy, glossy or matt finish	-
Density	NF EN ISO 2811.1	1.165	g/ml
Wet film thickness	Depth gauge	8	µm
Dry film thickness	magnetic induction	6	µm
Dust-dry time	ASTM D 5895	4	min
Time before handling	ASTM D 5895	7	min
Fully cured time	ASTM D 5895	24	hr
Cross-hatch test	ISO 2409	no deterioration	-
Stamping test	ERICHSEN	film not damaged	-
Wet abrasion resistance 28 days, 23°C, 50% relative humidity	ISO 11.998	class 1	value
Shear strength Tightening torque 80N/m	MIL A 907 ED	100	%
Temperature resistance	as per MIL A 907 ED	-50 +550	°C
Specific coverage RSc m²/g per aerosol	NFT 30.001	4.2	m²
Salt spray test	ISO 9227 ISO 4623-3	2808 RI 5	hr -

APPLICATIONS

Galvanic protection.
 Protection of all non-coated metal parts.
 Reworking of hot galvanised parts.
 Finish treatment.
 Reworking after machining or welding.
 Surface preparation.
 Electricity network posts, safety rails, sign panels.
 Industrial chimneys, clamps, pipes, unions.
 Machine mounts, casings, bodywork, architectural elements.
 Rivet heads, mountings, roofing pins, screw assemblies.
 Electric motor cases, pump cases, water meters.
 Hinges, metal doors, metal structures.
 Gratings, fencings, opening panels.
 Sanitary installations, heat pumps, air conditioners.
 Heating installations, drip tray returns.
 Electrical hardware, mobile equipment, sanitary installations.
 Protection of nails or screws before plastering.
 Structures, metal fittings.
 Sewage and water treatment stations.
 Breeding buildings.
 Urban furniture.

INSTRUCTIONS FOR USE

Unstick the ball in the aerosol and shake vigorously up and down. Spray the surfaces treated from a distance of 15 to 20 cm, do not apply excessive thickness, cross the passes if necessary. Do not spray from greater distances as this may affect adhesion. The zinc particles must be chemically linked to the iron atoms in order to give a very low oxidation rate, which is the principle of galvanising. The surfaces treated must be carefully prepared to obtain long-lasting protection. The surfaces treated must therefore be degreased, clean, dry and with no trace of rust or scale. Clean with a wire brush or rub down with emery cloth, if necessary. The aerosol may be used in any position. Do not purge the aerosol after use. Recommendation: store the aerosols laid flat. Much less shaking time will be required.

PRESENTATION



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