

GALVANOL

Description

GALVANOL is a one component, anticorrosive, industrial coating, based on vinyl modified synthetic resin. Presents great adhesion to both steel and non-ferrous metals (galvanized steel, stainless steel, aluminum, copper). Due to its special composition (vinyl resin), it presents higher anticorrosive protection and resistance to chemical environment and weather conditions than conventional one component primers. It presents quick drying, easy application, great adhesion and high flexibility even on surfaces with old coatings. It can be used a self - primed or as a top coat. It is ideal for industrial and coastal areas, and generally for areas with high corrosive environment.

It is offered after request in MIO (micaceous iron oxide), which contains organometallic iron oxide (micaceous) for extra anticorrosion protection. In MIO version offers permanent conductivity that prevents static electricity charges on industrial metallic surfaces (i.e., steel pipes, tanks etc.). It has a conductivity resistance <math> < 10^7 </math> Ohm.

Technical Information

Shade	RAL shades after request
Adhesion	GT 0 (steel) - GT 1 (galvanized steel, stainless steel, aluminum) (EN ISO 2409)
Specific Weight	1,25±0,05 kg/lit (micaceous 1,50±0,05 kg/lit) (EN ISO 2811)
Theoretical Coverage	6,7 m ² / kg / 50 μm
Solids	60-63% per weight (EN ISO 3251 non-volatile) 41-43% per volume
VOC	456 g/lit VOC ready to use maximum (+10% 1120): 499 g/lit EU limits (2010): 500 g/lit Subcategory i, one-pack performance coatings, type SB

Drying Time (25°C)

Touch dry	20-30 min
Drying	4-6 hr
Full Drying	72-96 hr

(The above times are indicative and depend on the thinning percentage, relative humidity and temperature)

Surface Preparation

The surfaces must be clean, grease, oil, water, dust and other particles must be removed in order to achieve satisfactory adhesion. The metallic surfaces must be clean from rust by using sandblast min. Sa 2 1/2. For galvanized surfaces, it is recommended to degrease and treat the surface with sanding or other mechanical means. Cleaning the surface with soft sandblasting (brush blasting) is the most reliable method for achieving good adhesion of coating to the surface.

Application

It is thinned with thinner 5-10%.
It is applied with:
AIRLESS after 5% thinning (nozzle 0,013-0,019in)
AIR PISTOL (diameter: 1,80-2,2 mm, pressure: 3-5 bar) after thinning 5%
It should not be recoated with 2 component coatings.

The choice of suitable thinner depends on the application method, the temperature and the humidity conditions. For the suitable choice, please contact with the technical department of our company.

Suggested film thickness	50-80μm
Application temperature	5°C-35°C
Suggested thinners	1120-1121-1119

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Storage

Up to 12 months in a dry and cool place. (5-30°C).

Safety

Please consult the Material Safety Data Sheet. Available upon request.

This Technical Data Sheet replaces and cancels every previously issued.

The information, instructions, recommendations and specifications mentioned in this data sheet, represent the results and experience obtained from testing under controlled or specially adapted conditions.

The accuracy and relevance of these results to the actual conditions, in which you apply the product, must be determined and depend only on the purchaser and/or applicator.

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