



V 5301 1K FAST DRY COATING (2/1) FOR ZINC PLATED SURFACES

Product Description

One component air drying coating with good anti corrosive properties and direct adhesion to Zinc plated and non Fe metallic surfaces(very good adhesion on cold and hot deep galvanized surfaces) - A adhesion test on a small surface of the coated surface is always recommended. Can be used as a single coat or as a primer in a system with a top coat recommended by the manufacturer.

Use

Anticorrosive coating used in a steel constructions, appliance and machine constructions, general maintenance of metal structures and facilities etc., specially designed for coating of zinc plated steel structures.

Colours

Colors: RAL
Gloss level: Semi matt(30GU) at 85°

Technical parameters	Test method	Values
Solid content(volume)		37-45%
Density	BNS EN ISO 2811-1	1.24 - 1.36g/cm ³
VOC values	BNS EN ISO11890-1:2008	max 500g/l

Recommended thickness of layer

Dry film	60 - 80 µm
Wet film	150 - 200 µm
Theoretic consumption	195-260g/m ² , 5 - 6.5m ² /l
Maximum film thickness per layer 200-220µm WFT, applied with airless	

Substrate and surface preparation

To achieve maximum adhesion and durability of the system, the surface preparation must comply with the following requirements:

Surface	Minimum	Recommended
Ferrous metals	Rust cleaning with sandblasting or blasting, up to Grade St2, according to ISO 8501-1	Rust cleaning with sandblasting or blasting, up to Grade Sa 2 ½, according to ISO 8501-1
Zinc Plated surfaces	The surface must be clean, dry and without any oil, grease, dust or other contaminants.	Blasting using non-metalic abrasives. The surface after the blasting should look with rough and even patern.
	Cleaning, drying and no visible surface injuries according to ISO 12944-4, ISO 8501, ISO 8504	

Application equipment and Aplication Conditions

Machine: Airless, conventional spray
Ambient Temperature from: 10 to 30°C
Humidity: max 65%
Support temperature: 15-35°C
Substrate temperature must be at least 3°C above the dew point

Information on nozzles and pressure for machine application

Airless	nozzle - 0.011-0.013; pressure - 180-200bar;
Conventional spray	nozzle - 1.6-1.8mm; pressure - 3-4atm;

Thinning and cleaning of tools

Airless	up to 5% with Thinner D 5105
Conventional spray -	5-10% with Thinner D 5105
Reoller Brush	5-10% with Thinner D 5105

Drying and Curing Schedule

Temperature	20-23°C
Dust dry	10-15min
Touch dry	20-30min
Handle dry	6 h
Recoating time	

The times mentioned in the above table are measured in a laboratory environment at a controlled temperature and air humidity. Depending on different application environments these values may vary.

Product compatability

V 5301 is normally applied directly on galvanizes steel or on blast cleaned steel. Depending on the specific need and the expected result, this product can be used as a primer in combination with different top coats as E 5001, IFD Enamel or other recommended by the producer finish coatings.

For other types of coatings or special requirements, please contact Policolor-Orgachim technical team.

Packaging

Metal package	23kg
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Depending on the color of the product and the individual requirement of the customer, the packages may vary.

Storage

The product should be stored in closed, dry and fire-proof warehouses and premises at a temperature of not more than 30°C. Do not expose to direct sunlight. Keep out of reach of children!

Shelf life:

12 months from production date in factory-sealed package.

Safety

According to safety data sheet (MSDS).



This Technical Data Sheet is intended to inform Customers of the product concerned. Policolor-Orgachim invites customers to check the quality of the product and carry out trial application before use, to use the product properly, to comply with the application conditions in accordance with the label instructions and technical parameters. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the Technical Data Sheet for this product. Due to the lack of control over the conditions and manner of application, the manufacturer does not guarantee /without prior written confirmation/ its durability or any direct or indirect consequential damages caused or related to the way the product is used or laid, in case the product is used for purposes other than the purpose indicated on the label and in this technical data sheet; We guarantee the properties and qualities of the product insofar as this product is not exposed to external factors and impacts that could not be foreseen by us and could not be taken into account in the preparation of this Technical Data Sheet. Policolor-Orgachim will not accept any liability in the above cases unless consent has been given explicitly, liability is imposed by legal provisions or arising from commercial obligations. As the information contained in this Technical Data Sheet is subject to periodic changes, please make sure, via our web sites or technical team, that this description is the latest and has not been replaced by a new version.