

**DECORATIVE & PROTECTIVE PAINTS**  
**PRODUCT DATA SHEET**  
**DR.FERRO DTM METAL FASHION PAINT**  
**LARGE METALLIC-MIOX**



**DESCRIPTION**

Phthalic resin based glossy top coat paint designed for metal surfaces with high color retention and fast dry properties.

**FEATURES**

One component air-dry top coat paint used on ferrous surfaces. Through the compatible pigment and binder combination it protects the surfaces against mild and intermediate level atmospheric conditions.

**RECOMMENDED APPLICATION FIELDS**

It is used for painting for metal and galvanized metal structures like; construction steels, cast iron, outdoor furnitures and benches, elevators , grab rails and exc.

**CHARACTERISTICS**

<b>PAINT FILM</b>	Large Metallic Matt	
<b>BINDER TYPE</b>	Special Resin Combination	
<b>VISCOSITY</b>	95-100 KU	
<b>SPECIFIC GRAVITY</b>	1,32-1,38 kg/l ( can differ according the color)	
<b>SOLID CONTENT(%By Weight)</b>	68-70	
<b>SOLID CONTENT(%By Volume )</b>	53-55	
<b>V.O.C</b>	Max. 420 gr/L	
<b>FLASH POINT</b>	21°C	
<b>RECOMMENDED FILM THICKNESS</b>	<b>MINIMUM</b>	<b>MAXIMUM</b>
<b>WET (micron)</b>	94	140
<b>DRY ( micron)</b>	50	75
<b>CONSUMPTION (m2/l recommended)</b>	10,6	7,1
<b>THEOROTICAL APPLICATION AREA (m2/l) (35 micron dry film)</b>	15,1	
<b>NOTE: It may be needed to apply multiple coats in order to achieve max film thickness with brush or roller applications</b>		
<b>CLEANING METHOD OF APPLICATION</b>	Xylene, Cellulosic Thinner, Thinner 646	
<b>SHELF LIFE</b>	24 months unopened original box	
<b>STORAGE TEMPERATURE</b>	Keep indoors with no direct sunlight between 5 ° C and 35 ° C.	

**AVERAGE DRYING TIMES**

	10°C	25 °C
<b>Touch Dry</b>	45 min	30 min
<b>Dust free time</b>	3 hours	2 hours
<b>Waiting time between layers</b>	5 hours	3 hours
<b>Through Life</b>	2 days	1 day
<b>Max Curing Time</b>	9 days	7 days

Drying times can be change on temperature, relative humidity and film thickness.

**SURFACE PREPARATION**

Ensure surface is dry and free from dirt, dust, grease and oil. All metal surfaces must be prepared to painting with proper one of the cleaning methods. Bare metal surfaces should be degreased by using a cleaning solvent. Stir well before using. If applied by a spray-gun ,add 20 % of 646 Thinner onto paint by weight.Apply 3-4 coats allowing approx. 15 minutes between coats. Hold spray-gun from substrate at a distance of 15-20 cm. Recommended air pressure is 2 bar. Second coat application should be done within maximum 3 hours after de first coat. Pattern sizes may vary based on thinning ratio and application conditions.

**Recommended Surface Preparation: Steel and Iron Surfaces: SSPC-SP2/ISO8501-1:2007 St2**

**APPLICATION**

Airless Spray  
Pressure.....min(170 bar)  
Nozzle Size.....0.015"-0.021"  
Thinning.....by volume %10-15 between Xylene, Synthetic Thinner, Thinner 646  
**BRUSH**  
BRUSH TYPE.....Nylon / Polyester or Natural Bristle Brush Thinning.....by volume %5-10 between Xylene, Synthetic Thinner, Thinner 646  
Air Spray (2.6-2.8 mm Gravity Feed Air Spray Gun )  
Pressure .....1-8-2,2 bar  
Thinning.....by volme %15-20 Xylene, Synthetic Thinner, Thinner 646  
  
Specified Film Thickness, Dry: 100 microns  
Specified Film Thickness, Wet : 188 microns  
Waiting time between coats, min: 3 hours 25 ° C; 5 hours 10 ° C

**APPLICATION CONDITIONS**

Temperature (air, surface, Product):  
5 ° C minimum, 35 ° C maximum  
At least 3 ° C above dew point  
Relative Humidity: 85% maximum

**CERTIFICATES / APPROVALS**

**ADDITIONAL INFORMATION**

Corosion Resistance	100 micron dry film, Type 2 A366 steel panel, 1600 hours (8 year) ASTM B117 1973
Impact resistance	100 micron dry film , 15cm (face) BS3900, E7 falling ball 15"/lb 7 gun
Adhesion	100 micron dry film, BS3900, E6 falling , 7 days
Chemical Resistance	When its fully cured ; resstant against diluted acid, alkaline splashing, petroleum, fuel and construction chemicals
UV Resistance	Resin content causes chalking and color ripening.
Heat Resistance	After full curing; resistant against; short exposure between - 20 and 150 C and constat exposure maximum 80 C . Temperatues above 50 C may result changes n the color.

**RECOMMENDED SYSTEMS**

Dry Film Thickness	(Iron -Steel Surfaces)	microns	
1. FR.272.0000 Dr Ferro Rapid Industrial Primer		120	<b>C3 H ISO 12944</b>
2.FM.298.0000 Dr Ferro DTM Metal Fashion Paint Miox		160	

The systems listed above are representative of the product's use, other systems may be appropriate.

**HEALTH AND SAFETY**

Read the Safety Data Sheet before use. CST reserves the right to change the technical document. Contact our technical service department for more information.

**WARRANTY**

CST guarantees that this product is manufactured in accordance with the standards and without any error. In the event of a proven manufacturing defect, CST will replace the defective product or refund the fee. Under no circumstances, CST does not provide warranties.

**Disclaimer**

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