

DECORATIVE & PROTECTIVE PAINTS
PRODUCT DATA SHEET
DR.FERRO DTM METAL FASHION PAINT
GLOSS



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. Resin combination gives a glossy look and anti-dust properties. Since it's easily spread through the surfaces it can be applied directly after cleaning the rust on the

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

PAINT FILM	Glossy Metallic	
BINDER TYPE	Special Resin Combination	
VISCOSITY	95-100 KU	
SPECIFIC GRAVITY	0,99-1,02 kg/l (can differ according the color)	
SOLID CONTENT(%By Weight)	55	
SOLID CONTENT(%By Volume)	48	
V.O.C	Max. 420 gr/L	
FLASH POINT	21 °C	
RECOMMENDED FILM THICKNESS	MINIMUM	MAXIMUM
WET (micron)	105	208
DRY (micron)	50	100
CONSUMPTION (m²/l recommended)	9,5	4,8
THEORETICAL APPLICATION AREA (m²/l) (35 micron dry film)	13,7	
NOTE: It may be needed to apply multiple coats in order to achieve max film thickness with brush or roller applications		
CLEANING METHOD OF APPLICATION	TC Xylene, Cellulosic Thinner, Thinner 646	
SHelf LIFE	24 months unopened original box	
STORAGE TEMPERATURE	Keep indoors with no direct sunlight between 5 ° C and 35 ° C.	

AVERAGE DRYING TIMES		
	10 °C	25 °C
Touch Dry	45 min	30 min
Dust free time	3 hours	2 hours
Waiting time between layers	5 hours	3 hours
Through Life	2 days	1 day
Max Curing Time	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 (1.4-1.6 mm Gravity Feed Air Spray Gun)
 Pressure1-8-2,2 bar
 Thinning.....by volme %15-20 Xylene, Synthetic Thinner, Thinner 646

Specified Film Thickness, Dry: 100 microns
 Specified Film Thickness, Wet : 208 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 157/lb 7 g/in
Adhesion	100 micron dry film, BS3900, E6 falling , 7 days
Chemical Resistance	When its fully cured ; ressistant 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 . Temperatures 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		80	
2.FM.275.0000 Dr Ferro DTM Metal Fashion Paint		200	C4 L ISO 12944

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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