

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



DESCRIPTION

Phthalic resin based 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. Since it's easily spread through the surfaces it can be applied directly after cleaning the rust on the metal surfaces as primer or top coat.

RECOMMENDED APPLICATION FIELDS

Steel structures, machinery, garden furniture and accessories, iron railings and doors, agricultural tools and equipment is used to protect against corrosion. ■

CHARACTERISTICS

PAINT FILM	Opaque Matt-10 Gloss	
BINDER TYPE	Special Resin Combination	
VISCOSITY	95-100 KU	
SPECIFIC GRAVITY	1.14-1.22 (can differ according the color)	
SOLID CONTENT(%By Weight)	60-65	
SOLID CONTENT(%By Volume)	51-53	
V.D.C	Max. 420 gr/L	
FLASH POINT	21°C	
RECOMMENDED FILM THICKNESS	MINIMUM	MAXIMUM
WET (micron)	100	200
DRY (micron)	50	100
CONSUMPTION (m²/l recommended)	10	5
THEORETICAL APPLICATION AREA (m²/l) (35 micron dry film)	14.7	
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 TO	Xylene, Cellulose Thinner, Thinner 646	
SHELF LIFE	24 months unopened original box	
STORAGE TEMPERATURE	It is best suited for 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 : 200 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

Corrosion Resistance	100 micron dry film, Type 3 A366 steel panel, 1000 hours (6 year) ASTM B117 1979
Impact resistance	100 micron dry film, 15cm (face) GS3900, E7 falling ball 157/16 7 gon
Adhesion	100 micron dry film, BS3900, EG falling, 7 days
Chemical Resistance	When its fully cured ; resistant 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 constant exposure maximum 80 C. Temperatures above 50 C may result changes in the color.

RECOMMENDED SYSTEMS

Dry Film Thickness (Iron -Steel Surfaces)	microns	
1. FR.272.0000 Dr Ferro Rapid Industrial Primer	80-120	C4 L ISO 12944
2.FM.274.0000 Dr Ferro DTM Metal Fashion Paint	100-200	

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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