

**DECORATIVE & PROTECTIVE PAINTS
 PRODUCT DATA SHEET**



DR.FERRO RAPID INDUSTRIAL PAINT

DESCRIPTION

Dr.Ferro Quick Dry Enamel is a quick dry, solvent-based opaque enamel paint . preserves its gloss and color for a long period of time

FEATURES

It is a one-component, air -dry top coat paint used on steel surfaces. Due to its binder and pigment combination it protects the surface from light and medium atmospheric corrosion conditions.

RECOMMENDED APPLICATION FIELDS

It is used in primer painting of structural steels, pig iron, machinery, garden furniture and metals such as bench, elevator, iron railing.

CHARACTERISTICS

PAINT FILM	Glossy Opaque- 85 Gloss		
BINDER TYPE	Phthalic Resin		
VISCOSITY	95-100 KU		
SPECIFIC GRAVITY	1,20-1,22 kg/lit Colors may vary depending on the content		
SOLID CONTENT(%By Weight)	62-65		
SOLID CONTENT(%By Volume)	50-53		
V.O.C	Maximum 420 gr/L		
FLASH POINT	21°C (70°F)		
RECOMMENDED FILM THICKNESS	MINIMUM	MAXIMUM	
WET(MICRON)	96	192	
DRY(MICRON)	50	100	
CONSUMPTION m2/L RECOMENDED	10,4	5,2	
Theoretical Application Area (m2/l) (35 micron dry film)	14,8		
NOTE: In brush and roller applications, it may be necessary to apply multiple coats to achieve maximum film thickness.			
CLEANING METHOD OF APPLICATION	Xylene, Cellulosic 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	35 min	20 min
FULL DRY	3 hours	2 hours
WAITING TIME BETWEEN LAYERS	8 hours	5 hours
MAX CURING TIME	36 hours	48 hours

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

In order to achieve desired film thickness it can be applied wet on wet between 1-8 hours. If waited more than 8 hours wait for 48 hours to apply again

SURFACE PREPARATION

Before starting the application make sure that surface is cleaned from dust, dirt, rust or grease by using an appropriate cleaning method. (sanding, solvent cleaning etc.) If surfaces are painting for the first time by using a cleaning solvent remove the grease from the surface. Stir well before using. Apply the second coat within 3 hours. If applied by spray gun thin 20% with 646 thinner. It is recommended to apply 3-4 layers with 15-20 min waiting time. Spray gun should be used 15-20 cm away from the surface and air pressure should be 2 bars.

Iron and Steel Surfaces: SSPC-SP2/ISO8501-1:2007 S12

APPLICATION

Airless Spray
 Pressure.....minimum (150 bar)
 Nozzle Size.....0.011"-0.015"
 Thinning.....by volume %10-15 between industrial thinner, Thinner 646
BRUSH
 Brush Type.....Nylon / Polyester or Natural Bristle Brush
 Thinning.....by volume %5-10 between Xylene, industrial thinner,, Thinner 646
AIR SPRAYING (with 1.4-1.6 mm gravity feed spray gun)
 Pressure.....1,8- 2,2 bar
 Thinning.....by volume %15-20 between Xylene, industrial thinner,, Thinner 646

Recommended Film Thickness (Single Coat), Dry: 35 microns
 Recommended Film Thickness (Single Coat), Age: 67 microns
 Waiting time between layers, 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

RECOMMENDED SYSTEMS

	Dry Film Thickness (Iron-Steel Surface)	mikron
1.	FR.272.0000 Dr Ferro Rapid Industrial Under	80
2.	FR.270.0000 Dr Ferro Quick-Dry Enamel	120 C3 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.

WARRANTIES

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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