Metal-Prime 212ROX

Alkyd Red Oxide Primer

Protective Coating

Generic Type	Single component anti-corrosive primer pigmented with inorganic red iron oxide.
General Properties	Metal-Prime 212ROX is a general purpose anti-corrosive alkyd primer with easy application and tolerant to hand prepared surface.
Uses and Properties	Metal-Prime 212ROX is widely used as a new construction and maintenance primer on hand prepared steel in general industries. It is suitable to be overcoated with a wide range of conventional alkyds.

Technical Information

Finish	Matt
Color	Oxide Red
Component	One
Volume Solids	46 ± 3%
Dry Film Thickness	40 to 60 um
Flash Point	27 deg. C
Specific Gravity	Approx. 1.28
Temperature Resistance	80 deg. C (continuous)
	90 deg. C (intermittent)
Packaging	5.0 litres
Shelf life	12 months minimum

Typical Painting System

Substrate Surface	Primer
Steel	Metal-Prime 212ROX

Normally coat over blast, powertool clean and hand prepare steel.

Application Method

Airless Spray — Tip Size : 0.43 - 0.54 mm (17 - 21 thou)
Recommended method of application — Pressure : 110 - 150 kg / cm2 (1600 - 2300 psi)

Conventional Spray : Can be used
Brush or Roller : Can be used

Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
15 deg. C	2 hours	10 hours	24 hours	Indefinite
25 deg. C	1 hours	6 hours	12 hours	Indefinite
35 deg. C	30 mins	4 hours	8 hours	Indefinite

* The properties above may vary with surface temperature, site environment, film thickness, etc.

Thinners & Cleaners

Thinner : Thinner 51 (5% maximum addition)
Cleaner : Cleaner 12
Storage : Always store thinner and cleaner in a cool and shaded area. Exposure to direct heat is not recommended.

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Surface Preparation	All surface to be coated must be clean, dry and free from contamination in accordance to ISO 8504. Oil and grease must be removed by solvent cleaning in accordance to SSPC - SP1. Abrasive blast clean to Sa 2.5 (ISO 8501-1:2007) or SSPC - SP6 or powertool clean to St.3. If oxidation has occurred between the blasting time and application of Metal-Prime 212ROX, the surface should be reblasted to the specified visual standard. A surface profile of 30 to 40 microns is recommended.
Application Temperatures	Air and surface temperature should be between 20 to 45 deg. C and surface temperature must be minimum 3 deg. C above dew point.
Mixing	Stir content thoroughly with a mechanical stirrer until uniformly mixed.
Repair / Top Coating	Damaged areas should be touch up with a coat of Metal-Prime 212ROX.
Product Limitations	This product is not recommended for continuous immersion and not suitable for exposure to acidic and alkaline environments. Over-application of Metal-Prime 212ROX will extend both minimum overcoating periods and handling times and may be detrimental to long term overcoating properties.
Safety Precaution	This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.

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