

EVERROOF® PRIMER M55

Modified Alkyd Metal Primer

TECHNICAL DATA SHEET

Everroof Primer M55 is a high-solids red oxide alkyd metal primer for steel surfaces which is fast drying, low VOC (less than 340 gms./ltr.), rust inhibitive, and is free of heavy metal hazards. It is easy to apply by brush, spray or roller. Has good resistance to general atmospheric weathering. It can be top coated with alkyd and latex coatings or urethane foam or coatings.

USES

For industrial and commercial application of steel to protect against atmospheric corrosion.

- Interior and exterior use
- Fast drying maintenance primer
- Lead, chromate and barium free pigmentation

PERFORMANCE INFORMATION

High build to protect abrasive blasted steel.

- Good corrosion and rust undercutting protection
- Abrasion resistant
- Primer for use under a variety of latex, alkyd and urethane topcoats.

LIMITATIONS

Not recommended for immersion service or exposure to acid, alkalies or strong solvents.

SURFACE PREPARATION

Surface must be dry and in sound condition. Remove oil, dust, dirt, mill scale, rust, and other contaminants to ensure good adhesion.

For maximum performance, the surface must be abrasive blasted for proper adhesion. All blasted steel must be primed the same day.

Iron and Steel:

Remove all grease and oil from the surface by solvent cleaning per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2, or Power Tool Clean per SSPC-SP3. For better performance, the surface should be blast cleaned to Commercial Blast per SSPC-SP6.

RECOMMENDED SYSTEMS

Steel (Alkyd Topcoat):

1 coat Everroof Primer M55 Alkyd Metal Primer @ 3 mils DFT
1 or 2 coats Industrial Enamel @ 2 mils DFT/coat
Total DFT, mils: 5 – 7

Steel (Aluminum Finish):

1 coat Everroof Primer M55 Alkyd Metal Primer @ 3 mils DFT
1 or 2 coats Industrial Aluminum @ 1 mil DFT/coat
Total DFT, mils: 4 - 5

TECHNICAL DATA			
Color/ Finish:		Reddish Brown	
Curing Mechanism:		Solvent Evaporation/Oxidation	
Drying Schedule:			
(Temperature & humidity dependent) @ 50% RH @ 5 mils wet:			
	40°F	77°F	110°F
To Touch:	1 hr	25 min	15 min
Tack Free:	2 hrs	45 min	30 min
To Recoat:	4 hrs	1 hr	1 hr
To Stack:	4 hrs	1.5 hrs	1.5 hrs
NOTE: Primer should be allowed to dry 48 - 96 hours before topcoat application to insure maximum adhesion of the topcoat.			
Primer coats should not be left untopcoated in excess of six months.			
Double coat all edges, corners, welds and crevices.			
Flash Point:		74°F (Pensky-Matens Closed Cup)	
Recommended Spreading Rate:			
Wet mils:		5.0 - 8.0	
Dry mils:		3.0 - 5.0	
Approx. sq.ft./gal.:		205-342	
NOTE: Brush application may require multiple coats to achieve maximum film thickness and uniformity of appearance.			
Dry mils:		976 sq.ft./gal @ 1.0 mil dry	
VOC:			
Package:		348 g/l, or 2.57 lbs./gal.	
Volume Solids:		60% +/- 2%	
Weight Solids:		81% +/- 2%	
Weight/Gallon:		14.5 lbs./gal.	

Steel (Acrylic Topcoat):

1 coat Everroof Primer M55 Alkyd Metal Primer @ 3 mils DFT
2 coats Acrylic Coating @ 5 mils DFT/coat
Total DFT, mils: 7



APPLICATION

Intimate contact of the steel surface and primer is necessary for adhesion and rust inhibition.

Application Conditions:

Temperature: air, surface, material: 40°F – 120°F (at least

5°F above the dew point)

Relative Humidity: 85% maximum

Methods:

Brush:

China Bristle. Confined to small areas and touch-up

Airless Spray:

Pressure: 1800- 3000 psi

Tip: .015" - .019"

Filter: 60 mesh

Hose: 1/4"

Conventional Spray:

50 psi atomization pressure, 15-20 psi fluid pressure.

Binks gun model 18, air nozzle 63PB, fluid nozzle 63C or equivalent equipment.

MIXING INSTRUCTIONS:

Mix paint thoroughly by boxing and stirring. Agitate for uniformity and consistency.

Reducer: MIAK/Xylene

Reduction:

Airless spray: None

Conventional spray: reduce up to 5% by volume as necessary to be compatible with the existing application and environmental conditions.

Clean-up:

Use Xylene, following manufacturer's safety cautions.

PRECAUTIONS

Contents are flammable. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

READ AND FOLLOW WARNING ON LABEL

DO NOT TAKE INTERNALLY

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL USE ONLY

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