

EVERROOF® PRIMER M55

Modified Alkyd Metal Primer

TECHNICAL DATA SHEET

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

FEATURES AND BENEFITS

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

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

PERFORMANCE INFORMATION

High build to protect abrasive blasted steel.

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

COLOR

Reddish Brown

COVERAGE

Primer M55 has a coverage rate of 1 gallon per 205-342 square feet.

PACKAGING

1-Gallon Can

5-Gallon Pail

STORAGE AND STABILITY

Keep containers closed, store in a dry, cool place away from heat, sparks, open flame, and moisture. Primer M55 has a maximum shelf life of one year when stored at temperatures between 50°F and 75°F (10°C and 24°C). Caution should be exercised to prevent material from freezing.

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

TECHNICAL DATA

Curing Mechanism	Solvent Evaporation/Oxidation
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Drying Schedule

(temperature & humidity dependent) @ 50% RH @ 5 mils wet:

	40°F (4.4°C)	77°F (25°C)	110°F (43°C)
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 (Pensky-Matens Closed Cup)	74°F (24°C)
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Recommended Spreading Rate

Wet mils	5.0 - 8.0
Dry mils	3.0 - 5.0
Approximate sqft/gallon	205-342

NOTE: Brush application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Dry mils	976 sqft/gallon @ 1.0 mil dry
Volatile Organic Compound, (gms/liters) ASTM D2369-81	
Total Volume Solids (%)	60 ± 2
Total Weight Solids (%)	81 ± 2
Weight/Gallon (lbs/gal)	14.5.

performance, the surface should be blast cleaned to Commercial Blast per SSPC-SP6.

RECOMMENDED SYSTEMS

Steel (Alkyd Topcoat):

1 coat EVERROOF PRIMER M55 @ 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 @ 3 mils DFT
1 or 2 coats Industrial Aluminum @ 1 mil DFT/coat
Total DFT, mils: 4 - 5

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Steel (Acrylic Topcoat):

1 coat EVERROOF PRIMER Alkyd Metal Primer @ 3 mils DFT

2 coats Acrylic Coating @ 5 mils DFT/coat

Total DFT, mils: 7

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.

APPLICATION INSTRUCTIONS

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 (4.4°C to 49°C) (at least 5°F (3°C) 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.

MAINTENANCE

Periodic maintenance of EVERROOF® Roofing Systems ensures extended performance and reduces life cycle costs.

TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Roof energy evaluations, life cycle cost analysis, and other roof management services are also available from an EVERROOF® Technical Consultant.

PROTECTIVE EQUIPMENT

Since Primer M55 is atomized into a very fine particle distribution during spray application, it is essential that maximum effort is made to protect the spray mechanic and others near the workplace from undue exposure.

The best form of protection against organic solvents is the use of Type C organic vapor cartridge respirators. To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and

neoprene or other resistant gloves. Wear safety glasses or OSHA-approved protective goggles.

PROTECTION OF THE WORKPLACE

Overspray from EVERROOF PRIMER M55 can carry considerable distances and attention should be given to the following:

1. Post warning signs a minimum of 100 feet from the work area.
2. Cover all intake vents near the work area.
3. Minimize or exclude all personnel not directly involved with the spray application.
4. No welding, smoking or open flames.
5. Have CO₂ or other dry chemical fire extinguisher available at the job-site.
6. Provide adequate ventilation.

HEALTH AND SAFETY

EVERROOF® is committed to the health and safety of our customers. EVERROOF® products shall only be installed by certified contractors. Applicators are required to follow all proper handling, safety and installation procedures. Safety Data Sheets (SDS) are available on this material. Any individual who may come in contact with these products should read and understand the SDS.

VAPOR INHALATION

Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness or even asphyxiation. Vapor inhalation problems are characterized by coughing, shortening of breath and tightness in the chest. Anyone exhibiting these types of symptoms should be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT

Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician.

EYE CONTACT

Eye Contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

LIMITED WARRANTY. We warrant our Products to be free of manufacturing defects and to comply with the Product's current published physical properties when tested under controlled conditions. Our sole responsibility is limited to replacement of that portion of any Products found to be defective at the time of manufacture. There are no other warranties of any nature whatsoever, whether expressed or implied, including an express disclaimer of any warranty of merchantability or fitness for a particular purpose. Further, we disclaim any liability for damages of any type, however caused, including remote, consequential damages, or special damages resulting from any theory of liability, whether based on tort, negligence, or strict liability. We disclaim responsibility for any claims of intellectual property infringement through use of our Products in any manner. No warranty or guarantee is issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, abnormal wear and tear, or improper application by the applicator. Damage caused by abuse, neglect, lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded. In all instances and as a pre-condition to any available remedy, we reserve the right to conduct sample testing and performance analysis on any materials claimed to be defective, performed prior to any repairs being made by owner, general contractor, or applicator. Our limited warranty is void if repairs have been made or attempted, or if the claimed defect has been adulterated prior to our ability to conduct a formal investigative analysis.

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