

Direct To Metal Primer + Topcoat Flat - F106 Series

Product Description

Direct To Metal Primer is a high-performance coating engineered to inhibit rust and corrosion on new or sound, lightly rusted metal surfaces. Formulated with corrosion-resistant pigments and advanced adhesion promoters, it delivers excellent bonding and long-lasting protection. It also performs exceptionally well on galvanized steel, aluminum, wood, and masonry when top-coated with latex, alkyd, or oil-modified urethane finishes.

Recommended Use

Direct To Metal Primer can be used successfully for priming miscellaneous iron, bar joists, duct work, piping, galvanized metal, doors, sash, windows or for spot touching other abraded metal primers. May be used as a self-priming finish coat where a flat appearance is required. Interior or Exterior.

General Surface Preparation

All surfaces must be free of dirt, oil, grease, loose paint, dust, rust, mill scale, mildew, mold, and other surface contaminants by washing with an appropriate cleaner, rinsed thoroughly, and allowed to dry. Do not use hydrocarbon solvents for cleaning. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy, smooth, or hard surfaces should be sanded dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

FERROUS METAL: Minimum surface preparation should be “commercial” blast cleaned (SSPC-SP6), or power tool cleaned (SSPC-SP3) as an alternative, back to a sound substrate.

ALUMINUM: Unfinished aluminum should be wiped with denatured alcohol or non-residue leaving cleaner/degreaser with a clean rag to remove oil. Aluminum oxide on old, weathered aluminum should be removed with steel wool and cleaned with denatured alcohol.

GALVANIZED METAL: Allow to weather at least 6 months prior to coating and cleaned with denatured alcohol on a clean rag. If weathering is not possible or if there is rust present, hand tool clean (SSPC-SP2), followed by a solvent clean (SSPC-SP1).

PREVIOUSLY PAINTED SURFACES: Remove all loose, chipping, and peeling paint. Clean surfaces with a cleaner degreaser, followed by a through rinse with clean water. Abrade the surface by rough sanding to a dull finish for proper adhesion. Rinse surface to remove sanding dust. Allow surfaces to dry thoroughly before coating. Prepare ruptured or scratched surfaces as for unfinished metal. Spot prime bare metal as conditions dictate.

CONCRETE BLOCK / MASONRY: Allow new exterior concrete to cure a minimum of 30 days and a minimum of 45 days for new interior concrete before coating.

Steel troweled, smooth bare concrete, form release compounds, and curing membranes must be removed by brush blasting. Aged concrete and soft or porous masonry surfaces must be brush blasted or power tool cleaned to remove loose adhering contaminants down to a sound firm surface. Allow surfaces to dry over several warm, dry days before coating. Prepared concrete must have a pH of 10 or less.

WOOD: Must be clean, dry and in sound condition. Sand to remove any loose or deteriorated wood and to create a proper surface profile. Wood moisture content must be 12% or lower before coating. Prime with a recommended primer suitable for the application.

Application

Stir thoroughly before and occasionally during use. Direct To Metal Primer can be applied by roller, brush or airless spray. Apply the coating at the recommended wet film thickness and spread rate as indicated. When spraying, you must back-roll or back-brush to push the coating into the surface pores, ensuring an even coat application and achieving proper adhesion. A single coat is sufficient to protect the substrate if using an additional topcoat coating. A second coat is required if no additional topcoat is being used and to Ready to apply from the container.

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Thinning: Material is supplied at application consistency but can be thinned sparingly with water if necessary to improve application characteristics.

Clean up

A mixture of warm water and mild soap is the best cleaning solution for water-based paints. Prepare soapy water and pour into a clean container. Dip the paint brush into the mixture, working the soap through the brush bristles. Follow with a clear water rinse. Repeat the process if necessary. Always use a clean container with clean soapy water and follow with a clear water rinse. For stubborn water-based paints, try mineral spirits or lacquer thinner, followed by warm soapy water and a clear water rinse.

Architectural Specifications

Ferrous Metal - Pre-Cleaned Aluminum, Galvanized Metal, Wood, Masonry or Previously Painted Surfaces:

Primer:

1 Coat Direct To Metal Primer + Topcoat F106

1 or 2 Coats Alkyd or Acrylic Topcoat.

Finish:

2 Coats Direct To Metal Primer + Topcoat F106

Precautions

Surface and air temperature must be 50°F or above during application and drying time. Do not recoat with coatings using aromatic or other strong solvents. Do not intermix with solvent base primers or finishes. Do not use Direct To Metal Primer when rain is imminent or when dew point is above 60 percent.

Environmental Health and Safety Information

CAUTION! KEEP OUT OF THE REACH OF CHILDREN.

DO NOT TAKE INTERNALLY.

CLOSE CONTAINER AFTER EACH USE.

Refer to Safety Data Sheet for additional health and safety information.

Keep from freezing.

Actual coverage rates will vary depending on surface porosity and application method.

Extended drying times may be necessary under conditions of low temperature, elevated humidity, increased film thickness, and/or poor ventilation.

Do not apply to damp surfaces or when surface, material and ambient temperature is below 50 °F (10 °C) or above 90 °F (32.2 °C).

Do not apply in direct sunlight. Do not apply if rain is prevalent or expected within 48 hours.

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*Depending upon color choice, non zero VOC colorant added to this product may significantly increase VOC levels.

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Lead Warning ! - If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

FIRST AID: In case of eye contact, flush immediately with water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, seek medical attention immediately. If swallowed, rinse mouth with water (only if person is conscious). Call for medical assistance immediately. Do not induce vomiting unless directed to do so by medical professional.

WARNING! Use only with adequate ventilation. Do not breathe spray or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN.

USE COMPLETELY OR DISPOSE OF PROPERLY: Dispose of in accordance with applicable Federal, State and Local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. For recycling guidance of any unused amount, contact your local or provincial organization of recovery and recycling. Dry, empty containers may be recycled in a can recycling program where facilities are available and sanctioned by local authorities.

Notes

All cans should be intermixed and stirred well to achieve continual uniformity. This product is self-priming over multiple new and previously painted surfaces. Specific primers are recommended for new wood, stained and other unique substrate conditions.

Technical Data

Product Type	Industrial
Exposure	Interior/ Exterior
Specular Gloss	5° ± 3
Volume Solids	38.2% ± 2
Weight Solids	49.5% ± 2
Vehicle Solids	79.2% ± 2
Pigment	20.8% ± 2
Wet Film Thickness	4 mils
Dry Film Thickness	1.5 mils
Viscosity @ 77 °F	80KU ± 5
Max VOC	100 g/l
Flash Point ° F	Non-Combustible
Thinner	Water
Clean - up	Soap & Water

Surface Spread Rate

Smooth	200-300 s.f./gal.
Porous	150-250 s.f./gal.
(Spray Application is 50% of above)	

Drying Times

To Touch	1 hours
To Handle	2 hours
To Recoat	4 hours
To Wash	30 days
(@ 70 - 77 °F, 50% R.H.)	

Surface Temperature At Application

Minimum: Over 50°F	Maximum: Under 90°F
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Storage Temperature

Store Between Over 40°F to Under 100°F

Tools & Equipments

Brush	Synthetic, Nylon or Polyester
Roller	3/8" -3/4" Nap Synthetic Fiber, 3/8" Nap Synthetic Fiber
Airless Spray	.015 to .018 Tip / 40-60° angles, .017 to .019 Tip

Available Package Sizes

Gallon	Quart
(Weight Per Gallon:10.2 lbs. ± .5 lb)	

Available Colors and Bases

White	
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Available in 0 stock colors