



Primers/Block Fillers/Patching Compounds

METAL-PRIME™ PRIMER

SCAQMD	YES
CARB	YES
CARB 2007	YES
OTC	YES
OTC Phase II	YES
Canada	YES

DESCRIPTION

TEX•COTE® Metal-Prime™ is a water-based, ready-to-use primer specifically formulated to offer good corrosion protection and adhesion to metal surfaces. It utilizes state-of-the art acrylic polymer technology designed for maximum adhesion to metal surfaces and also assures optimum adhesion of a variety of topcoats applied over it.

FEATURES

- Water-based acrylic formulation.
- Superior adhesion to metal surfaces.
- Good corrosion protection
- Fast drying
- Single component product.
- Low VOC.

BENEFITS

- User friendly formula
- Assures good adhesion of topcoats to aluminum or galvanized surfaces.

- Can be applied by airless spray, brush, or roller.
- Easy clean-up with soap and water.
- Low odor.

RECOMMENDED OVER

- Aluminum
- Galvanized Steel
- Iron and Steel
- Previously Painted / Baked on Metal Finishes including well weathered Kynar® 500 Surfaces.

APPLICATION

Application Equipment:

- Conventional airless spray with .013-.015 tip.
- Medium nap (3/8" - 1/2") roller.
- High-quality nylon/ polyester bristle brush.

Surface Preparation:

Surface must be sound, clean and dry prior to application of primer. Remove all loose chipping, cracking and peeling from previously painted surface by hand scraping, sand and wire brushing and/or by use of power tool cleaning methods such as electric sanders, grinders, etc. Remove any dust, dirt, grease, oils, waxes, mildew, loose rust, mill scale, rust deposits or any other surface contaminants from metal surfaces by hand or power tool cleaning according to SSPC-SP2 or SSPC-SP3 standards.

Aluminum and Galvanized Metal: Bare aluminum and also particularly galvanized steel can vary dramatically in their surface properties. Old galvanized will have surface oxides that must be removed by wire brushing or brush blasting, being careful to try not to cut entirely through the zinc treatment layer if possible. New galvanized metal will vary in its degree of "spangle" pattern and commonly is contaminated with protective oils which must be removed prior to priming with a 7% TSP solution or com-

mercial degreaser. Use of a commercially available metal etch is optional for added "tooth". Both must be followed by a thorough water rinsing and allowed to dry before priming. Bare aluminum should also be cleaned with 7% TSP solution, thoroughly rinsed with water, and allowed to dry before application of the primer.

Iron and Steel: Remove all oil, grease, dirt mill scale, and all other foreign matter prior to painting. For rusted surfaces, commercial blast cleaning may be necessary.

Previously Painted / Baked on Metal Finishes Including Well Weathered Kynar® 500 Surfaces: If in sound condition, make sure that surface is free of all contaminants. Hard or glossy surfaces should be abraded prior to coating.

Testing: After preparing the surface, apply a test area of the primer and allow to cure for 24 hours, then test a cross hatch adhesion. If adhesion is poor, then additional abrasion may be necessary followed by retesting the adhesion of the primer.

Mildew: Surface area affected by mildew should be thoroughly hand scrubbed with a soft to medium bristle scrub brush and a solution of one cup Tri-Sodium Phosphate or a no-ammoniated detergent cleaner mixed with one part household bleach and three parts warm water, per gallon solution. Allow solution to stand on the affected surface areas for 10 - 20 minutes then rinse thoroughly with clean water and allow to dry 24 -

48 hours.

WARNING! If you scrape, sand or remove old paint, 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 NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

Application:

Apply TEXCOTE® Metal-Prime™ after the surface has been prepared according to the previous directions. If surfaces have been factory primed, advise TCA of type used to avoid incompatibility and potential loss of adhesion. Apply at a coverage rate of 300-400 square feet per gallon. Allow a minimum of 24 hours to dry under ideal weather conditions prior to top-coating. Primer must be top-coated within 14 days of application or re-priming will be necessary.

Clean-Up:

Clean up tools or wet material with soap and water immediately after application. If dry, clean with acetone or MEK.

BEST PERFORMANCE

- Metal surfaces must be cleaned and prepared per above instructions.
- Do not apply over damp surfaces or when rain is imminent.

- If TEX•COTE® Metal-Prime™ is not top-coated within 14 days of application, re-priming will be necessary.
- Substrate, material, and air temperature during application shall be a minimum 50°F and rising, and not exceeding 100°F.

- Protect product from freezing.
- If metal has been factory primed, advise manufacturer of type used to avoid possible loss of adhesion or incompatibility.

PHYSICAL PROPERTIES	Pencil Hardness	T-Bend	Direct Impact	
On Aluminum	B	T-0	60 IN LB: PASS	
On Steel	3B	T-0	60 IN LB: PASS	
CHEMICAL TEST	Motor Oil	Vegetable Oil	Windex	Ethanol
On Aluminum	Pass	Pass	Pass	Pass
On Steel	Pass	Pass	Pass	Pass

COVERAGE RATE

	Dry Mils (Micron)	Wet Mils (Micron)	Sq Ft/gal (m ² /gal)
Minimum	1.6 (40.6)	4.0 (102)	400 (37.6)
Maximum	2.1 (53.3)	5.3 (135)	300 (27.9)

TECHNICAL DATA

High humidity and cool temperature will result in longer dry, recoat and service times.

COLOR	WHITE	APPLICATION TEMPERATURE	50 - 100°F (10 - 38°C)
GLOSS	FLAT	SHELF LIFE	12 MONTHS UNOPENED
WEIGHT/GALLON	10.5 LBS +/- .3	DRY TIME AT 77°F & 50% RH:	To Touch: 1 hour
VISCOSITY	90-95 KU		Recoat: 4 hours
WEIGHT SOLIDS	52 +/- 2%		Top-coating: 24 hours min.
VOLUME SOLIDS	39 +/- 2%		
FLASH POINT	NONE		
VOC	<100 GRAMS/LITER		

VOC COMPLIANCE

All TEX•COTE® products comply with federal and state Volatile Organic Compound (VOC) rules and regulations.

ORDER INFORMATION

Packaging:

TEX•COTE® Metal-Prime™ is available in one (1) or five (5) gallon containers.

Shelf Life:

- 12 month shelf life, based on the following:
- Containers stored upright and airtight in a cool, dry place at temperature between 45°F rising to 100°F (7°C-38°C).
 - AVOID FREEZING.

- AVOID PLACING CONTAINERS IN DIRECT SUNLIGHT
- Skins formed on surface of product shall be removed prior to mixing, moving or using.

SAFETY

Do not breathe spray mist. Wear appropriate gloves and eye protection during application. Wash thoroughly after handling.

First aid: In case of eye contact, flush immediately with large quantities of water for at least 15 minutes. Seek medical attention if blurring or redness continues.

In Case of Spill: Absorb with inert material and placed into a suitable container for disposal. Dispose in accordance to the EPA and/or state and local guidelines.

WARRANTY

Upon completion of application of coating in accordance with the manufacturer's recommendations, Textured Coatings of America, Inc. will extend its limited commercial warranty for product replacement as a result of a defect in the material. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with manufacturer's recommendations for installation. TEX•COTE® shall have no obligation to contribute or to otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.



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