



# ALKYD FABRICATION METAL PRIMER V140

## Features

- Excellent Wetting Properties for maximum penetration
- Dries in 2 hours; recoat in 8 hours
- Corrosion-inhibiting formula protects against rust
- Designed for structural steel, railings, and shopcoat applications
- Suitable For Use In USDA Inspected Facilities

## Recommended For

Ferrous Metal such as Steel & Iron. Corotech® Alkyd Fabrication Metal Primer is designed for Structural Steel, Railings and Shopcoat Applications.

## General Description

Alkyd Fabrication Primer is formulated for use in mild-to-moderate exposures. Its excellent wetting properties allow application to marginally prepared surfaces. Formulated to inhibit corrosion, this primer provides years of protection when applied properly. It can be top coated with most finishes that do not contain strong solvents.

## Limitations

- Not recommended for galvanized metals.
- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C).
- Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.
- Do not topcoat with products such as epoxies or urethanes containing aromatic or oxygenated solvents.

## Product Information

### Colors — Standard:

White (01), Red (20), Gray (70)

Can be tinted with up to 2.0 fl. oz. of IM colorants per gallon

### — Tint Bases:

N/A

### — Special Colors:

Contact your retailer.

### Certification & Qualifications:

The products supported by this data sheet contain a maximum of 340 grams per liter VOC / VOS (2.83 lbs. /gal.) excluding water and exempt solvents.

Master Painters Institute MPI # 79.

V140-20 meets performance requirements of TT-P-86 (Type III), TT-P-645, TT-P-636

Suitable For Use In USDA Inspected Facilities

SSPC Paint # 25

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	NO
CARB	YES
CARB07	NO
UTAH	NO
AZMC	YES
SCAQMD	NO

### Technical Assistance:

Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-866-708-9180, or visit [www.benjaminmoore.com](http://www.benjaminmoore.com)

### Technical Data◇

### White

Vehicle Type	Alkyd	
Pigment Type	Titanium Dioxide	
Volume Solids	57 ± 1.0%	
Coverage per Gallon at Recommended Film Thickness	430 – 500 Sq. Ft.	
Recommended Film Thickness	– Wet	3.2 – 3.7 mils
	– Dry	1.8 – 2.1 mils
Depending on surface texture and porosity.		
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch	2 Hours
	– To Recoat	8 Hours
	– Full Cure	7 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Oxidation	
Viscosity	80 – 90 KU	
Flash Point	102° F or greater (TT-P-141, Method 4293)	
Gloss/Sheen	0 – 10 @ 60°	
Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F
Thin With	Not Recommended	
Clean Up Thinner	Mineral Spirits	
Weight Per Gallon	12.2 lbs.	
Storage Temperature	– Min.	45 °F
	– Max.	90 °F

### Volatile Organic Compounds (VOC)

329 Grams/Liter    2.74 Lbs./Gallon

◇ Reported values are for White. Contact retailer for values of other bases or colors.

**Surface Preparation**

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants.

**NEW SURFACES: Steel:** For best results, abrasive blast to a commercial blast (SSPC-SP 6). For mild conditions, a hand or power tool cleaning (SSPC-SP 2) may be satisfactory, but performance is dependent upon the degree of surface preparation.

**Previously Painted Surfaces:** Wash and rinse any areas that may have oil or grease residue. Dull glossy surfaces by lightly sanding. Remove sanding dust. Remove loose paint. All areas that are rusting, blistering, cracking or peeling must be cleaned to bare metal. If more than 25% of the surface is involved, sandblast the entire surface to a commercial blast and prime. If less than 25% of the surface is involved, clean soiled areas and spot prime.

**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 a 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 Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Application**

Mix the product thoroughly before application. The use of a drill mixer at low speed will best accomplish this. Spray application only.

**Airless Spray:** Tip range between .013 and .017. Total fluid output pressure at tip should not be less than 2200 psi.

**Air Spray (Pressure Pot):** DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

If necessary, small areas can be brushed or rolled using a 3/8" lambs wool or 1/4" - 1/2" synthetic roller cover. Roll in one direction, rewet, then cross roll

**NOTE:** Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 50° F (10° C). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/4" Mandrel
Dry Heat Resistance	250° F
Wet Heat Resistance	150° F
Adhesion (ASTM D3359)	Pass 5B
Salt Spray (ASTM B117) (1 Coat w/2 Topcoats; 200 Hours)	500 Hours-Pass (Rating 10, Rust Area 0.00%)
CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	See Finish Coat Data Sheets for Resistance Information.
Salt Water	
Acids	
Alkalies	
Solvents	
Fuel	
Acidic Salt Solutions	
Alkaline Salt Solutions	
Neutral Salt Solutions	

SYSTEMS RECOMMENDATIONS
COMPATIBLE FINISHES
V200 Line, V201, V230 Line, V231 Line, V300 Line, V330 Line, V440 Line and Other Acrylics & Alkyds

**Clean Up**

Clean with Mineral Spirits.

**Environmental Health & Safety Information**

**DANGER**

**May cause an allergic skin reaction**

**May cause cancer**

**Causes damage to organs through prolonged or repeated exposure**

**May be fatal if swallowed and enters airways**

**Flammable liquid and vapor**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces, no smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**Response:** If exposed or concerned get medical attention. If skin irritation or rash occurs get medical attention. Wash contaminated clothing before reuse. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. If swallowed immediately call a POISON CENTER or physician. Do NOT induce vomiting. In case of fire use CO2, dry chemical, or foam for extinction.

**Storage:** Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of contents/container to an approved waste disposal plant.

**DANGER –** Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.



**WARNING** Cancer and Reproductive Harm—

[www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

**KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL USE ONLY**

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