



UNIVERSAL METAL PRIMER CV131

Features

- High solids content
- Quick drying; can be recoated in 4 hours
- Ideal for use in metal shops and industrial maintenance
- Can be top coated with strong, solvent-based coatings
- Can be applied with electrostatic sprayers (once the product is polarized)
- Suitable for use in USDA Inspected Facilities

General Description

Universal Metal Primer is a high-performance, one-component, quick-dry, rust-inhibitive metal primer, formulated for use on ferrous metal substrates. The phenolic alkyd resin formulation allows for a wide variety of intermediate and finish coats. The quick dry and recoat times allow for fast turn-around of production work. The barrier protection that this product provides, as well as the rust inhibitive pigmentation, leaves a film that prevents corrosion for many years. Additionally, this product may be used as a tie coat over existing coatings that will be finished with a high performance coating. It provides corrosion resistance for both interior and exterior steel surfaces.

Recommended For

Ferrous Metal such as Steel & Iron. Corotech® Universal Metal Primer is designed for shop application in the General Metal Finishing / Fabrication market as well as the Industrial Maintenance market.

Limitations

- Not recommended for non-ferrous metals such as galvanized, aluminum or for use in immersion service.
- 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.

Product Information

Colors — Standard:

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

— Tint Bases:

Do not tint.

— Special Colors:

Contact your retailer.

Certification & Qualifications:

The products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.09 lbs. /gal.) excluding water and exempt solvents.

Meets Federal Specifications TT-P-664, MIL-P-11414, MIL-P-15930 & MIL-P-52977

Meets the performance requirements of SSPC Paint # 25

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
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

Technical Data◇

White

Vehicle Type	Phenolic Alkyd	
Pigment Type	Titanium Dioxide	
Volume Solids	53 ± 1.0%	
Coverage per Gallon at Recommended Film Thickness	370 – 450 Sq. Ft.	
Recommended Film Thickness	– Wet	3.4 – 4.3 mils
	– Dry	1.8 – 2.3 mils
Depending on surface texture and porosity.		
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch	30 Minutes
	– To Recoat	4 Hours
	– Cure Time	7 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Oxidation	
Viscosity	70 – 75 KU	
Flash Point	50 °F (TT-P-141, Method 4293)	
Gloss/Sheen	0 – 3 @ 60°	
Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F
Thin With	Not Recommended	
Clean Up Thinner	Corotech® V703 or Xylene	
Weight Per Gallon	12.9 lbs.	
Storage Temperature	– Min.	40 °F
	– Max.	95 °F

Volatile Organic Compounds (VOC)

244.4 Grams/Liter 2.04 Lbs./Gallon

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

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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.

Application

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

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.

Can be brushed using a natural bristle brush 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 45° F (7.2° 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		CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
		Fresh Water	See Finish Coat Data Sheets for Resistance Information
Flexibility (ASTM D1737)	Pass ¼" Mandrel	Salt Water	
Dry Heat Resistance	250° F	Acids	
Wet Heat Resistance	150° F	Alkalis	
Adhesion (ASTM D3359)	Pass 5B	Solvents	
Salt Spray (ASTM B117) (1 Coat w/2 Topcoats; 1000 Hours)	Rust Breakthrough: 10 Rust Area: 0.01%	Fuel	
		Acidic Salt Solutions	
		Alkaline Salt Solutions	
		Neutral Salt Solutions	
SYSTEMS RECOMMENDATIONS			
COMPATIBLE FINISHES			
C/V200 Line, C/V201 Line, V220 Line, V230 Line, V231 Line, V300 Line, V330 Line, C/V400 Line, V410, V440 Line, V500, V510, V515, V520 and Other Acrylics & Alkyds			
COMPATIBLE INTERMEDIATES			
V160 Line			

Clean Up

Clean with Corotech® V703 or Xylene.

Environmental Health & Safety Information

Danger

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May cause cancer

May cause respiratory irritation. May cause drowsiness or dizziness

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Highly 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. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. 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. Keep cool. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned get medical attention. If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention. If skin irritation or rash occurs get medical attention. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 container tightly closed.

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

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.

FOR PROFESSIONAL USE ONLY

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