



ALKYD SHOP COAT PRIMER CV133

Features

- Dry to touch in 30 minutes, recoat in 2 hours
- For all metal fabricators
- Provides barrier protection in mild-to-moderate corrosive environments

Recommended For

Alkyd Shop Coat Primer is formulated for use in mild to moderate atmospheric exposures, where a quick turn-around primer is desired. This primer provides barrier protection on properly prepared surfaces, and may be top-coated with a variety of finishes. Alkyd Shop Coat Primer is ideal as a temporary transport coat on fabricated pieces that will be blasted at the job site and recoated or as an economical barrier primer or left uncoated in interior noncorrosive environments.

General Description

Alkyd Shop Coat Primer is a quick-drying formulation that can withstand mild-to-moderate atmospheric conditions. It provides a protective barrier and can be top coated with a variety of finishes, including hot solvent topcoats. It can also be used as a temporary coat for transporting fabricated pieces, which can then be blasted and recoated at the job site. In interior non-corrosive environments, Alkyd Shop Coat Primer can be left uncoated.

Limitations

- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) or if within 5° of Dew Point.
- Spray application only.
- Not intended for severe chemically corrosive environments, immersion service or non-ferrous metals.

Product Information

Colors — Standard: Red (20), Gray (70) Can be tinted with up to 2.0 fl. oz. of IM colorants per gallon		Technical Data[◇]		Red
— Tint Bases: N/A		Vehicle Type		Alkyd
— Special Colors: Contact your retailer.		Pigment Type		Titanium Dioxide
Certifications & Qualifications: The products supported by this data sheet contain a maximum of 250 grams per liter VOC /VOS (2.09 lbs. /gal.) excluding water & exempt solvents. Suitable for use in USDA Inspected Facilities		Volume Solids		65 ± 1.0%
		Coverage per Gallon at Recommended Film Thickness		425- 500 Sq. Ft.
		Recommended Film Thickness		– Wet 3.2 – 3.7 mils – Dry 2.1 – 2.4 mils
		Depending on surface texture and porosity.		
		Dry Time @ 77 °F (25 °C) @ 50% RH		– To Touch 30 Minutes – To Recoat 2 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		70 °F (TT-P-141, Method 4293)
		Gloss/Sheen		0 – 5 units @ 60°
		Surface Temperature at Application		– Min. 50 °F – Max. 90 °F
		Thin With		Do not thin
		Clean Up		Corotech® V703, V701 or Xylene
		Weight Per Gallon		13.8 lbs.
		Storage Temperature		– Min. 40 °F – Max. 90 °F
		Volatile Organic Compounds (VOC)		
		244 Grams/Liter 2.03 Lbs./Gallon		
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				

◇ Reported values are for Red. Contact your 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.

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. 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 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	200 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B
CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	See Finish Coat Data Sheets for Resistance Information.
Salt Water	
Acids	
Alkalis	
Solvents	
Fuel	
Acidic Salt Solutions	
Alkaline Salt Solutions	
Neutral Salt Solutions	

SYSTEMS RECOMMENDATIONS
COMPATIBLE FINISHES
C/V200 Line, C/V201, V230 Line, V231 Line, V220 Line, V300 Line, V330 Line, C/V400 Line, V410, V440 Line, V500 Line, V510 Line, V520 Line, 540 Line, and Other Acrylics, Vinyl Acrylics & Alkyds
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.

Clean Up

Clean up with Corotech® Xylene (V703) or Corotech® Brushing and Spray Reducer (V701) or Xylene.

Environmental Health & Safety Information

Danger

Causes serious eye irritation

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. 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. 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. 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. 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

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 METAL SUBSTRATES ONLY

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