



# ALKYD SHOP COAT METAL PRIMER V133

## Features

- Dry to touch in 30 minutes, recoat in 2 hours
- May be top coated with hot solvent finish coats after 24 hour cure (normal dry conditions)
- Provides barrier protection in mild-to-moderate corrosive environments
- Suitable For Use In USDA Inspected Facilities

## 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 and 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

### — Tint Bases:

N/A

### — Special Colors:

Contact your retailer.

### Certifications & Qualifications:

The products supported by this data sheet contain a maximum of 400 grams per liter VOC /VOS (3.33 lbs. /gal.) excluding water & exempt solvents  
Suitable For Use In USDA Inspected Facilities  
V133-20 Meets SSPC Paint 15, Type 1

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◇

**Red**

Vehicle Type	Modified Alkyd	
Pigment Type	Titanium Dioxide	
Volume Solids	53 ± 1.0%	
Coverage per Gallon at Recommended Film Thickness	350- 450 Sq. Ft.	
Recommended Film Thickness	– Wet	3.5 – 4.6 mils
	– Dry	1.9 – 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	70 – 75 KU	
Flash Point	50°F (TT-P-141, Method 4293)	
Gloss/Sheen	0 – 8 @ 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	11.9 lbs.	
Storage Temperature	– Min.	40 °F
	– Max.	90 °F

### Volatile Organic Compounds (VOC)

394 Grams/Liter    3.29 Lbs./Gallon

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

## Alkyd Shop Coat Metal Primer V133

### 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](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 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
V200 Line, V201, V230 Line, V231 Line, V220 Line, V300 Line, V330 Line, 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 skin irritation**

**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. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If swallowed immediately call a POISON CENTER or physician. Do NOT induce vomiting. In case of fire use CO<sub>2</sub>, 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.

### FOR METAL SUBSTRATES ONLY

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