



# SHOP PRIMER V142

## Features

- Economical protective coat
- Accepts a wide variety of topcoats
- Dry to the touch in 30 minutes

## Recommended For

Steel and Iron. Corotech® Shop Primer is designed for the General Metal Finishing and Fabrication Market, as well as the Industrial Maintenance Market. It is not intended for severe chemically corrosive environments, immersion service or non-ferrous metals.

## General Description

Shop Primer is an economical steel primer for commercial use in mild to moderate exposures. This product is ideal as a temporary transport coat on fabricated pieces or as an economical barrier primer. It is a temporary coating. This primer may be top-coated with a wide variety of finishes. However, finishes containing strong solvents (Ketones, Xylene, Toluene) may cause wrinkling or lifting of Shop Primer.

## Limitations

- Do not apply if material, substrate or ambient temperature is below 10 °C (50 °F). 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.
- Not for immersion service.
- Do not topcoat with products such as Epoxies or Urethanes containing aromatic or oxygenated solvents.

## Product Information

Colours — Standard:	Technical Data◇	Red
Red (20), Gray (70)	Vehicle Type	Alkyd
	Pigment Type	Titanium Dioxide
	Volume Solids	53 ± 1.0%
	Coverage per 3.79 L at	30 – 37 sq. m.
	Recommended Film Thickness	(350 – 400 sq. ft.)
	Recommended Film Thickness	– Wet 4.0 – 4.5 mils
		– Dry 2.1 – 2.4 mils
	Depending on surface texture and porosity.	
	Dry Time @ 25 °C (77 °F) @ 50% RH	– Tack Free 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	23.9 °C (75 °F) or greater (TT-P-141, Method 4293)
	Gloss/Sheen	0 – 5 @ 16 °C (60 °F)
	Surface Temperature at Application	– Min. 10 °C (50 °F) – Max. 32 °C (90 °F)
	Thin With	Do Not Thin
	Clean Up Thinner	Corotech V701 Brush & Spray Reducer or V703 Xylene
	Weight Per 3.79 L	5.6 kg (12.4 lbs)
	Storage Temperature	– Min. 4.4 °C (40 °F) – Max. 32 °C (90 °F)
	<b>Volatile Organic Compounds (VOC)</b>	
	337 Grams/Litre	
<b>Colours — Standard:</b>		
Red (20), Gray (70)		
<b>— Tint Bases:</b>		
N/A Do not tint.		
<b>— Special Colours:</b>		
Contact your retailer.		
<b>Certification:</b>		
The products supported by this data sheet contain a maximum of 340 grams per litre VOC / VOS excluding water & exempt solvents. This product is compliant as an Industrial Maintenance Coating. V142-20 Meets SSPC Paint 15, Type 1 Meets CISC/CPMA 1-73a and CISC/PMA 2-75 Specifications		
<b>Technical Assistance:</b>		
Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-877-711-6830, or visit <a href="http://www.benjaminmoore.ca">www.benjaminmoore.ca</a>		

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

## 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 logging onto Health Canada @ [http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked\\_questions\\_questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions_questions_posees-eng.php).

## 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 9.53 mm (3/8") lambs wool or 6.35 mm – 12.7 mm (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 10 °C (50 °F). 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	
<b>Flexibility (ASTM D1737)</b>	Pass 6.4 mm (1/4") Mandrel
<b>Steam Resistant</b>	Yes
<b>Dry Heat Resistance</b>	93 °C (200 °F)
<b>Wet Heat Resistance</b>	51.7 °C (125 °F)
<b>Adhesion (ASTM D3359)</b>	Pass 5B
<b>Salt Spray (ASTM B117) (1 Coat w/2 topcoat; 500 Hours)</b>	Rust Breakthrough: 10 Rust Area: 0.01%

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	
V300 Line, V330 Line, V440 Line and Other Acrylics & Alkyds	

## Clean Up

Clean up with Corotech V701 Brush & Spray Reducer or V703 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 vapour**

**Risk of spontaneous combustion**

**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 expose – Full Cure d skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust /fume /mist /vapours /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. Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

**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 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. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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.