



# CHEM-THANE 2953

MOISTURE CURE  
URETHANE RUSTY  
METAL PRIMER/FINISH  
OXIDE RED

## TECHNICAL PRODUCT BULLETIN

### PRODUCT DESCRIPTION AND USES

**CHEM-THANE 2953** Moisture Cure Urethane Primer/Finish is a single component primer suitable for use on surfaces where it is not practical to prepare the substrate by abrasive blasting methods. It may be used on tanks, bridges, and void areas of vessels over tight, intact existing surfaces, including rusted metal. As a Moisture Cure Urethane, it has exceptional abrasion resistance which makes it suitable for undersides of railcars and vehicles.

**CHEM-THANE 2953** can be applied at low temperatures down to 0° F. and at very high dew points as long as no condensation exists on the substrate.

This product incorporates a high level of a surface tolerant anticorrosive pigment which provides long term anticorrosive properties when applied over intact rusty metal.

If recoating is required, contact manufacturer since this product has a limited recoat window.

Available at 0 VOC upon special request.

### PRODUCT DATA

VOC Content:  
**2.8 lbs/gal; 340 grams/liter maximum**

Type of Material:  
**Moisture Cured Polyurethane**

Volume Solids:  
**65%**

Estimated Coverage:  
**1043 sq. ft./gal @ 1 mil DFT**

Recommended Film Thickness:  
**2.0 -2.5 mils DFT**

Weight Solids:  
**67 - 71%**

Number of Coats:  
**1 or 2 as required**

Sag Resistance:  
**5 mils minimum**

Recoatibility @ 77°F:  
**4 hours to 5 days**

Pot Life:  
**N/A Single Component**

Dry Time:  
**1 hr to touch; 2 hrs to handle**

Flash Point:  
**100°F minimum closed cup**

Color and Gloss:  
**Oxide Red Finish; Gloss, Semi-Gloss, Satin, Matte**

Mixing Ratio:  
**Single Component**

Thinner & Clean-up: Aromatic Hydrocarbon

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**SURFACE PREPARATION**

Substrate to be coated must be clean, dry, and free from flaking rust or loose hard existing paint. Surface preparation or high pressure water washing is acceptable.

**MIXING**

This material is for industrial use only. See **CHEM-THANE 2953** is a single component product which cures by the presence of moisture. Open only cans that will be used during the work shift. Agitate with mechanical agitation at slow speed to avoid incorporation of moisture.

Do not thin if VOC Regulations are effective. Do not add thinner to reduce viscosity increase to partial containers remaining from previous work.

**APPLICATION INSTRUCTIONS**

Can be applied by spray, brush, or roller.

**SPRAY:**

Conventional Spray Guns:	Fluid Tip:	Air Cap:
DeVilbiss-MBC 510 Binks - Model 18	E 66	765 63PB

**Airless Spray Guns:**

Graco - 30:1 ratio with golden gun or Speeflo Commander 30 with H Gun - .013 or .015 orifice.

**TEMPERATURES**

	Material	Surfaces	Ambient	Humidity
Normal	60-85°F (16-29°C)	60-85°F (16-29°C)	60-85°F (16-29°C)	40-50%
Minimum	50°F(10°C)	40°F(4°C)	40°F(4°C)	10%
Maximum	100°F (38°C)	120°F (49°C)	95°F (35°C)	80%

Do not apply when the surface temperature is less than 5°F (or 2° C) above the dew point.

Care must be taken to clean spray lines after use to keep material from hardening.

Use #42 Thinner for clean-up.

Material Safety Data Sheets for handling, storage, disposal and use. **NON-WARRANTY:** The information herein is based upon the best information available at time of printing and data provided are intended for those having skill and ability to use products as recommended. IndMar Coatings assumes no warranties, either implied or expressed, as to the purchase or application of these products, with the sole exception that if the Seller delivers off standard materials, the Seller will, at its option, either replace the material or refund the full purchase price. Nothing contained herein shall be construed as a recommendation to use this product in conflict with any existing patent.