

# GULF COAST PAINT MFG., INC

## CT-352 GULF-THANE CHEMICAL RESISTANT HI-GLOSS POLYESTER POLYURETHANE ENAMEL

### PRODUCT DESCRIPTION

A two component polyester aliphatic isocyanate polyurethane coating. This special CRU formulation is used to impart the highest chemical resistance, gloss and color retention of a polyurethane coating, yet retain the outstanding tough, abrasive resistant film which provides excellent exterior durability, chalk resistance, color stability and long term gloss retention. Ideal as a topcoat for concrete and steel structures.

### PRODUCT FEATURES

1. Excellent gloss and color retention.
2. Highly resistant to abrasion and impact.
3. Top coat for cosmetic floors.
4. Easy to clean.
5. Excellent chemical resistance.
6. Excellent weather resistance.
7. Non-chalking and non-yellowing.
8. Extremely tough, yet flexible.
9. Outstanding "wearing" properties.

### PRODUCT USES

Recommended as a topcoat for warehouse floors, production floor areas, aircraft hanger floors, structural steel, tanks, vessels, water tanks, etc., in chemical processing plants, pulp and paper mills, sewage and waste water treatment facilities, fertilizer plants, petroleum refineries, electric generating stations, coal handling operations, marine installations, etc.

### TECHNICAL DATA

Colors: White, Lt. Gray, Brick Red, Off White  
Med. Gray, Dark Gray

60° Gloss: 90 ± 5%

Volume Solids: 60 ± 3% (white)

Coverage (Theoretical): 960 sq. ft. @ 1.0 mil DFT

Recommended Film Thickness: 2-3 dry mils per  
coat @ 320-480 sq. ft. per gallon

Mixing Ratio: 2:1 by volume. Mix 2 parts Base  
(Part A) to 1 part Hardener (Part B)

Pot Life@ 75°F: 4-6 hours

Dry Time @ 75°F: To touch – 2 hours,  
recoat – 8 hours, foot traffic – 24 hours

Application: Spray, roll, lambswool  
applicator

Application Temperature: 50°F – 100°F

Dry Service Temperature: 300°F

Shelf Life: 1 year minimum when stored  
@ 50°F – 90°F inside

Phone: 251-964-7911

30075 County Rd. 49, Loxley, AL 36551

Fax: 251-964-7918

[www.gulfcoastpaint.com](http://www.gulfcoastpaint.com)

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Induction Time: None

Packaging: 1.5 gallon unit, 3 gallon unit, and 15 gallon unit

Thinning: Spray – SU-94, Roll –SU-93

Clean Up: SA-17 or S-74

V.O.C.: 3.1 lbs/gl (372 GMS/L)

## Chemical Resistance (Splash and Spill Testing)

Antifreeze	Gasoline, Unleaded	Orange Juice
Barium Sulfate	Glucose	Peanut Oil
Beer	Grape Juice	Potassium Hydroxide
Brake Fluid	Glycerin	Power Steering Fluid
Brine	Hydraulic Fluid	Rum
Citric Acid - 10%	Jet Fuel, JP-4, JP-5	Sea Water
Corn Oil	Kerosene	Skydrol 500 B
Cutting Oil	Ketchup	Sodium Hydroxide - 20%
Crude Oil	Lactic Acid - 10%	Soybean Oil
Diesel Fuel	Lard	Sulfuric Acid - 10%
Distilled Water	Linseed Oil	Tannic Acid
Ethylene Oxide	Milk	Vegetable Oil
Ethylene Glycol	Mineral Oil	Vodka
Fuel Oil	Mineral Spirits	Whiskey
Gasoline, Aviation	Molasses	Wine
Gasoline, Regular	Motor Oil	
Gasoline, Premium	Olive Oil	

Not recommended for Immersion Conditions.

## SURFACE PREPARATION

CT-352 Polyurethane Enamel is a top coat and is not recommended directly over unprimed surfaces. For higher film build apply a coat of CM-15, PC-636 or PC-1850. When priming use PC-149, PC-155, PC-1703 or PC-1702 as an Intermediate coat over the primer. Apply over appropriate primers or intermediate coats. Do not apply over aged coating without sanding and applying an Epoxy Tie Coat. The existing coating must be sound and have an excellent adhesion to the substrate. Surfaces must be free from all oil, grease, water or other foreign matter. Surface should be dry, sound and above 50°F. Relative humidity should not exceed 85%. Do not apply if surface temperature is within 5°F. of the dew point. CT-352 is moisture sensitive during application and initial cure.

## MIXING INSTRUCTIONS

Stir each component to a uniform consistency by using an explosion proof variable speed drill with a Jiffy mixer. Make sure any pigment settled to the bottom is incorporated. Do not vary proportions. CT-352 is prepared by mixing 2 parts BASE (Part A) to 1 part HARDENER (Part B) with the power mixer. Be sure material is thoroughly mixed together. CT-352 may be thinned up to 10% by volume for airless and conventional spray. Use only moisture free, urethane grade SU-94. For rolling thin up to 15% using SU-93

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## V.O.C.

<u>Unthinned</u> 3.10 lbs/gl (372 gms/liter)	<u>Thinned 5%</u> 3.33 lbs/gl (399 gms/liter)	<u>Thinned 10%</u> 3.55 lbs/gl (426 gms/liter)	<u>Thinned 15%</u> 3.73 lbs/gl (447 gms/liter)
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## POT LIFE

The pot life of CT-352 is 6 hours at 75°F. At 90°F. the pot life is reduced to 4 hours.

## APPLICATION PROCEDURE

Best method of application is conventional or airless spray. Flush equipment thoroughly with MEK solvent before using, and use a moisture trap on the air supply.

1.	<u>Airless Spray</u> Gun Pump Tip Range Hose Pressure	<u>Graco</u> 205-591 Bulldog 30:1 .011 to .015 3/8 inch ID 1500-1800 psi	<u>Binks</u> Model 500 Mercury 5C-30:1 .011 to .015 3/8 inch ID 1500-1800 psi
2.	<u>Conventional Spray</u> Gun Fluid Tip Air Cap Atomizing Pressure Pot Pressure Hose	<u>DeVilbiss</u> MBC or JGA E 704 or 765 60 psi 15-20 psi 1/2 inch ID	<u>Binks</u> #18 or #62 66 66 PE 60 psi 15-20 psi 1/2 inch ID

When spraying, use a 50% overlapping crosshatch pattern to minimize the occurrence of pinholes.

### 3. Rolling

Use a 1/4" phenolic mohair shed resistant roller cover. Pour material in a ribbon along the floor. Roll in the same direction, always keeping a wet edge. Do not over roll product. For safety and product curing, proper ventilation is necessary throughout application and cure. When using pigmented Finish Coats, be sure the batch numbers are all the same to provide a uniform color.

## CURE TIME

<u>Temperature</u>	<u>Tack Free</u>	<u>Minimum Recoat</u>	<u>Maximum Recoat</u>	<u>Foot Traffic</u>	<u>Heavy/Vehicular Traffic</u>
90°F	1½ hours	6 hours	18 hours	18 hours	48 hours
75°F	3 hours	8 hours	24 hours	24 hours	72 hours
50°F	16 hours	24 hours	48 hours	48 hours	5 days

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## CAUTIONS

CT-352 is flammable. Keep away from all sources of ignition during mixing, application and cure. Contains Aliphatic Polyisocyanates, N-Butyl Acetate, Xylene and PM Acetate. The HARDENER (Part B) and mixtures of BASE (Part A) with HARDENER (Part B) can cause eye and skin burns as well as allergic reactions. The use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing is a recommended standard practice when spraying.

This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.

**SEE MATERIAL SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS.**

**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

**KEEP AWAY FROM CHILDREN**

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