



# CHEM-THANE 2823

MOISTURE CURE  
URETHANE  
GLOSS FINISH COAT

## TECHNICAL PRODUCT BULLETIN

### PRODUCT DESCRIPTION AND USES

**CHEM-THANE 2823** is a single component, aliphatic, light, stable, moisture curing urethane finish coat which provides excellent gloss and color retention. It is intended as the top coat of a high performance system on marine vessels, tanks, bridges, refineries, offshore structures and other steel surfaces.

**CHEM-THANE 2823** is a high solids, low VOC coating which is comparable to most two component urethane finishes. It provides superior hardness and abrasion resistance when compared to the two component products, yet retains its flexibility.

While **CHEM-THANE 2823** offers superior performance characteristics, it also provides the end-user the ease of application since there is no mixing of multiple components. This means no "sweat in time". It can be applied in a wide range of weather conditions, including cold temperatures as low as 20°F and relative humidities up to 99% with no dew point restrictions.

**CHEM-THANE 2823** conforms to USDA standards for incidental contact with food.

**CHEMTHANE 2823HS** is a low voc (2.8 lbs/gal) higher solids version of this product.

### PRODUCT DATA

VOC Content:  
**3.5 lbs/gal; 420 grams/liter**

Type of Material:  
**Aliphatic Urethane**

Volume Solids:  
**55% + or - 3%**

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

Recommended Film Thickness:  
**2 - 4 mils DFT as specified**

Method of Application:  
**Spray preferred; Brush or roll small areas**

Number of Coats:  
**One**

Thinner and Clean Up Solvent:  
**#42 Thinner**

Shelf Life:  
**One year from DOM**

Pot Life:  
**Single Component**

Dry Time:  
**30 mins to touch; 8 hrs to handle**

Flash Point:  
**80°F closed cup**

Color and Gloss:  
**All standard colors; high gloss**

Mixing Ratio:  
**Single Component**

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## SURFACE PREPARATION

**CHEM-THANE 2823** should be applied over properly prepared and primed surfaces. It is not recommended for direct application to metal surfaces.

**CHEM-THANE 2823** can be used directly over existing paint systems which have been properly cleaned as an overcoat. It is ideal for overcoating existing lead-based paint.

## MIXING

Thoroughly mix contents of container prior to use. Use of thinner should be determined by VOC requirements. Do not use any thinners in areas which require maximum VOC contents of 420 grams per liter or 3.5 pounds gallons. Do not use any thinner other than the thinner recommended by the manufacturer.

Material should be power mixed using gentle agitation to prevent moisture inclusion. Do not box or pour material from one container to another.

This material is for industrial use only. See 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.

## APPLICATION INSTRUCTIONS

Spray application is preferred.

5 wet mils results in 3 dry mils.

Recommended airless tip size .0015 - .007.

Dry times are dependent upon humidity, temperature and film thickness. Low humidity, higher film builds or lower temperatures can extend cure times.

**DO NOT APPLY ON SURFACES OF ICE OR VISIBLE WATER.**

Do not apply when substrate temperature is within 5' F. of the dew point.

Although there is no maximum recoat time, aged films must be properly cleaned before application of succeeding coats.

Recoat times can be reduced to 30 minutes with the use of ACCURE.