



# CHEM-THANE 2821

MIO MOISTURE  
CURE URETHANE  
INTERMEDIATE COAT

## TECHNICAL PRODUCT BULLETIN

### PRODUCT DESCRIPTION AND USES

**CHEM-THANE 2821** is a single component, moisture cure urethane coating which contains Micaceous Iron Oxide pigments. It is intended as an intermediate coat in a high performance weather and chemical resistant urethane system.

**CHEM-THANE 2821** is a high solids, VOC compliant coating and does not contain lead or chromate pigments. This coating forms part of a urethane system which can be applied at high humidities and at low temperatures. It contains a minimum of four pounds of micaceous iron oxide per gallon.

**CHEM-THANE 2821** is an extremely hard abrasion resistant coating. It is ideally suited for usage such as bridges, tanks, locks and dams, marine structures and vessels and general industrial maintenance.

**CHEM-THANE 2821** can be applied at low temperatures down to 20 °F and humidities up to 99% with no dew point restrictions.

**CHEM-THANE 2821** meets USDA requirements for incidental contact with food surfaces.

**CHEM-THANE 2821** meets the requirements of SSPC-PAINT 41 and MPI #201.

### PRODUCT DATA

VOC Content:  
**2.75 lbs/gal; 326 grams/liter**

Type of Material:  
**Moisture-Cured Urethane**

Volume Solids:  
**61.0% + or - 2.0%**

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

Recommended Film Thickness:  
**3 - 5 mils DFT, as required**

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

Number of Coats:  
**One**

Thinner and Clean Up Solvent:  
**T-100**

Shelf Life:  
**One year from DOM**

Pot Life:  
**Single Component**

Dry Time:  
**30 mins to touch; 4 hrs to recoat, no recoat maximum**

Flash Point:  
**100°F minimum**

Color and Gloss:  
**Reddish-Grey, Greenish-Grey, Aluminum Grey; Matte**

Mixing Ratio:  
**Single Component**

PHONE: (757)899-3807  
FAX: (757)899-3907

**IndMar Coatings Corp.**

P.O.Box 456  
Wakefield, VA 23888  
www.indmarcoatings.com  
Email: indmar@earthlink.net

## SURFACE PREPARATION

**CHEM-THANE 2821** should be applied over properly prepared and primed surfaces. It is not recommended for direct application to metal surfaces.

**CHEM-THANE 2821** 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 340 grams per liter or 2.8 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.

## APPLICATION INSTRUCTIONS

Spray application is preferred.

5 wet mils results in 3 dry mils.

Recommended airless tip size .019 - .023.

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.**

**CHEM-THANE 2821** is not suitable for exterior use without topcoating.

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.

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