



CHEM-THANE 2823HS

MOISTURE CURE
URETHANE
GLOSS FINISH COAT

TECHNICAL PRODUCT BULLETIN

PRODUCT DESCRIPTION AND USES

CHEM-THANE 2823HS is a single component 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 2823HS 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 2823HS** 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 2823HS conforms to USDA standards for incidental contact with food.

PRODUCT DATA

VOC Content:
2.8 lbs/gal; 336 grams/liter

Type of Material:
Aliphatic Urethane

Volume Solids:
63% + or - 3%

Estimated Coverage:
1011 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 2823HS should be applied over properly prepared and primed surfaces. It is not recommended for direct application to metal surfaces.

CHEM-THANE 2823HS 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 336 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 .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.

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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