ZINC-THANE 2805

MOISTURE-CURED
URETHANE
ZINC PRIMER

TECHNICAL PRODUCT BULLETIN

PRODUCT DESCRIPTION AND USES

ZINC-THANE 2805 is a single component organic moisture curing zinc rich primer designed for application to steel substrates. Although proper abrasive blast cleaning results in superior performance, this product may be applied over marginally prepared surfaces with excellent performance.

ZINC-THANE 2805 contains limited amounts of organic solvents and is considered environmentally safe in most areas.

ZINC-THANE 2805 contains over 84% zinc in the dry film and provides excellent corrosion protection. Due to its unique chemical nature, it can be applied to surfaces at dry temperatures as low as 20'F and relative humidities up to 99% with no dew point restrictions. The high performance qualities of the product make it an exceptional coating for a wide range of usages which include bridges, tanks, offshore and marine structures and vessels, locks and dams, industrial facilities such as chemical plants, pulp and paper mills and other manufacturing plants, and general purpose structural steel.

ZINC-THANE 2805 conforms to USDA standards for incidental contact with food.

ZINC-THANE 2805 meets the requirements of SSPC-PAINT 20, TYPE II, SSPC-PAINT 40 and MPI #200.

PRODUCT DATA

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

Type of Material:
Zinc Pigmented Urethane

Volume Solids:
63%

Estimated Coverage:
1,010 sq. ft./gal. @ 1 mil DFT

Recommended Film Thickness:
2 1/2 - 3 1/2 mils DFT

Method of Application:
Spray or brush

Number of Coats:
One

Thinner and Clean Up Solvent:
#100 Thinner

Shelf Life:
1 year from DOM

Pot Life:
Use open containers within 24hrs.

Dry Time:
4 - 6 hrs. to recoat; No recoat window

Flash Point:
100'F minimum closed cup

Color and Gloss:
Gray, reddish-gray, greenish-gray; Low gloss

Mixing Ratio:
Single Component

Weight Per Gallon: **23 pounds minimum**

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SURFACE PREPARATION

ZINC-THANE 2805 should be applied over properly prepared surfaces. For immersion or long term service, metal surfaces should be abrasive blasted to a SSPC-SP 10 Near White Blast with a surface profile of one-half the desired dry film thickness of the prime coat, but not to exceed 2.5 mils profile.

A Commercial Blast conforming to SSPC-SP 6 is suitable for non-immersion and atmospheric conditions.

Existing coatings should be properly cleaned to remove all existing contaminants and loose paint. Pressure washing and power tool cleaning are suitable methods of cleaning.

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 per 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

Although spray application is preferred, brush or roller application is acceptable with proper care and equipment for small areas and touch-up.

4 wet mils results in 2.5 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.

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

The normal recoating time of 4 hours allows faster system application as compared to other generic types of zinc rich primers.

This recoat time can be further reduced with the use of ACCURE.