

CHEMTHANE 2240

POLYURETHANE CORROSION COATING

100% SOLIDS, TWO COMPONENT, FAST CURE

Complies with UL 1746 Parts I, II and IV

DESCRIPTION

CHEMTHANE 2240 is a solvent free, tar-free, two component polyurethane corrosion coating (1:1 ratio by volume). This product has a very short reaction time and is therefore spray applied using plural component spray equipment. This coating has been approved by Underwriters Laboratories for the application of underground steel tanks under UL 1746 Parts I, II and IV.

Application of this product is made directly to surface prepared steel. Primers are not necessary. Unlimited film builds may be achieved in a single coat multi-pass application. Cured films are free of pores.

This coating demonstrates an excellent balance of flexibility, impact strength, abrasion resistance and corrosion resistance. Cured films that are between 15 and 70+ mils in thickness will provide permanent and fully effective corrosion protection for many years.

TYPICAL PROPERTIES

Solids, by volume	100%
VOC	None
Components	Two (2)
Curing Mechanism	Chemical Reaction
Color Availability	Unlimited
Weight per mixed gallon	9.5 lbs/gallon (4.3kg/gallon)
Theoretical Coverage	1604 sq. ft. per gallon per mil (149 sq. m/gal per mil)
Primer Requirement	None Required
Adhesion to Steel	Excellent
Application Temperature Range	35°F – 120°F (1°F – 49°C)
Hardness (ASTM D 2240)	70 Shore D
Impact Strength	>40 in lbs
Flexibility	15 mils bent 180 over 1/8" (3mm) mandrel
Abrasion Resistance	110 mg (C17, 1kg, 1000 cycles)
Chemical Resistance	Excellent

CURE TIMES

Cure to the Touch	6-8 minutes @ 75°F (24°C)/50% relative humidity (15 mils/0.37mm)
Cure to Handle	30-45 minutes @ 75°F (24°C)/50% relative humidity (15 mils/0.37mm)
Time to Recoat	1 hour @ 75°F (24°C)/50% relative humidity (15 mils/0.37mm)

PACKAGING, STORAGE & SHELF LIFE

CHEMTHANE 2240 is supplied in two 55-gallon tight top drums: Components: A and B. Keep drums tightly sealed until ready for use to prevent atmospheric moisture from contaminating material. Store material at temperatures between 50-80°F (10-27°C) in a dry well ventilated area. **Ensure that material does not freeze.**

Material has a shelf life of 12 months after the date of manufacture if properly stored. Refer to Batch Number on product label for date of manufacture.

SAFETY PRECAUTIONS

CHEMTHANE 2240 IS FOR INDUSTRIAL USE ONLY. Avoid contact with eyes, and skin; do not inhale or ingest. When working with this material wear goggles, rubber gloves and a respirator. When spraying in a confined area, also wear a fresh air hood and make provision for forced ventilation. Refer to MSDS regarding individual components.

DATA

Technical



Chemline Incorporated
5151 Natural Bridge Rd.
St. Louis, Missouri 63115 USA
T: 314.664.2230
F: 314.664.1355
E: info@chemline.net
www.chemline.net

APPLICATION GUIDELINES

Consult with a CHEMLINE Representative for complete and detailed application instructions for application of this product under UL 1746 or other. For best results, The substrate must be dry and free from dust, oil and grease. The substrate surface temperature should be a minimum of 5°F (-15°C) above the dew point of ambient air. Use steel grit or sand to blast the substrate surface. Steel surfaces should be cleaned to a minimum of a commercial blast with a minimum angular profile of 1.5 mils.

CHEMTHANE 2240 is applied using a plural component, high-pressure, airless spray unit with in-line heaters. Material supply should be agitated and heated prior to application. Vent material supply containers with nitrogen or desiccant.

Unlimited film builds may be achieved in a single-coat multipass application. Do not apply coating after the recoat window has been exceeded. Consult CHEMLINE representative for recoat information. The recoat window will diminish as the ambient temperature and/or the film thickness increase. If recoat window has been exceeded, brush blast the original coat and create a 2.5 mil profile in the original coating; then topcoat.

WARRANTY

CHEMLINE warrants this product to be free of defects in material and workmanship. CHEMLINE's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at CHEMLINE's option, to either replace the products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by the Buyer to CHEMLINE in writing within (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify CHEMLINE of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

CHEMLINE makes no other warranties whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall CHEMLINE be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by CHEMLINE, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

LIMITATION OF LIABILITY

CHEMLINE's liability on any claim of any kind, including claims based upon CHEMLINE's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall CHEMLINE be liable for consequential or incidental damages.

