

CORCHEM[®] 275 FOOD CONTACT COATING

GENERAL	This advanced technology multifunctional epoxy phenolic resin is reacted with a special aliphatic amine adduct. The polymer structure is non-toxic and reinforced with laminar flake pigments. Fast drying epoxy phenolic coating designed to cure at ambient temperature conditions to provide protection for surfaces in severe chemical and physical environments. It is formulated to be extremely adhesive, hard, tough and abrasion resistant. The cured film (free of solvents) conforms to Title 21 CFR 175.300 United States Food & Drug Administration and United States Department of Agriculture requirements for coatings in contact with food and drinking water.
USE	Steel and concrete storage vessels, containment floors and walls, piping and processing equipment handling potable water and food products such as animal and vegetable oils, dairy products, molasses, sugars, wines, alcohols, fruit juices, and beverages. Used for storage of grain and feed stocks as well as fertilizers, herbicides, pesticides, fungicides and fumigants. Intended for use in both field and shop operations. The principal use is in food contact problem areas such as agriculture production, harvesting, transportation and food handling and packaging facilities. Also suggested as an all-purpose, highly chemical resistant protective coating. Self-priming to steel, concrete, and most surfaces or may be used in combination with many other CORCHEM [®] products.
COLORS / FINISH	White & Gray / Medium Gloss
VOLUME SOLIDS	70%
DRY COVERAGE	Theoretical (no loss): 1120 sq. ft. per gallon for one mil (.001). When computing coverage allow for application loss and surface irregularities.
DRY FILM THICKNESS	4.0 to 8.0 mils per coat. Multiple applications are recommended and may be necessary to achieve the specified or desired film thickness or due to variations in design configurations, application equipment, temperature and other factors.
COMPONENTS	Two. By volume 1 to 4 (Component A : Component B).
POT LIFE	<1 hour @ 70°F (mixed one-gallon kit). Pot life is <u>significantly shorter for higher temperatures or larger quantities</u> and longer for lower temperatures or smaller quantities.
VOC CONTENT	243 gms/l or 2.0 lbs/gal. Conforms to United States National Volatile Organic Compound Emission Standards.
THINNER	CORCHEM [®] 4 Thinner. Thin only as required for proper application.
APPLICATION METHODS	Air or airless spray and brush (small areas).
TEMPERATURES	Apply at 35°F to 125°F (Air and Surfaces) and 5°F above the dew point. Sudden and/or substantial temperature change during curing process or in-service conditions can cause film defects.
CURING TIME	Recoat 4 – 24 Hours days @ 70°F. Final Cure for service 5 Days @ 70°F.
PACKAGING	1-gallon & 5-gallon pre-measured packaged kits.
SHELF LIFE	One year from shipment date protected between 40°F and 100°F in its original sealed container.

PUBLISHED PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. [C275-2-PB-07292013]
CONTACT YOUR CORCHEM[®] REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

