

CORCHEM[®] 255 HIGH BUILD EPOXY PHENOLIC

GENERAL Advanced technology modified multifunctional epoxy phenolic resin reacted with a unique Mannich-base aliphatic amine adduct. The polymer structure is densely cross-linked and reinforced with laminar flake pigments. High build fast drying epoxy phenolic coating designed to cure at low temperature conditions to provide exceptional 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 United States Department of Agriculture requirements for incidental food contact.

USE Steel and concrete storage vessels, containment areas, piping and processing equipment handling petroleum products such as sour crude, industrial waste and brine waters and water solutions containing salts, detergents, many acids, alkalis, and other chemicals. Provides a high degree of protection for steel and concrete against corrosive moisture, fumes, hydrogen sulfide and methane gases. Also resistant to chemical and petroleum products such as kerosene, diesel, gasoline, aviation fuels, motor oils, lubrication materials, greases, hydraulic fluids, styrene, aliphatic and aromatic hydrocarbon solvents. Intended for use in both field and shop operations. The principal use is in chemical problem areas such as oil field production, chemical manufacturing and transportation, mining, power generating and wastewater treatment facilities. Suggested as a heavy-duty, all purpose, chemical resistant protective coating. Self-priming to steel, concrete, and most surfaces or may be used in combination with primers such as CORCHEM 94, 97, 235, 254, 260, 262, MCTHANE 55, 150 and many other CORCHEM products.

COLORS/ FINISH White & Grey / Medium Gloss

VOLUME SOLIDS 85%

DRY FILM THICKNESS 6 to 8 mils per coat. Two or more coats to a dry film thickness of 12 to 16 mils. Multiple applications are recommended and may be necessary to achieve the specified or desired film thickness.

COMPONENTS Two. By volume 4 to 1 (Base:Activator).

POT LIFE <1 hour @ 70°F (mixed one-gallon kit). No induction time is required. Pot life is significantly shorter for higher temperatures or larger mixed quantities and longer for lower temperatures or smaller quantities.

VOC CONTENT 120 gms/l or 1.0 lbs/gal. Conforms to United States National Volatile Organic Compound Emission Standards.

THINNER CORCHEM[®] 4. 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.

CURING TIME Recoat 4-24 Hours @ 70°F. Final cure for service 5 days @ 70°F.

PACKAGING 1-gallon & 5-gallon pre-measured packaged kits.

SHELF LIFE 1 year from shipment date protected between 40°F and 100°F.

PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. [C255-2-PB-10082009.doc]
CONTACT YOUR CORCHEM REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.