

CORCHEM® 204 HIGH BUILD EPOXY

GENERAL Advanced technology diglycidyl ether of bisphenol-A resin reacted with a modified Mannich-base aliphatic amine adduct. The polymer structure is extremely tough and has high adhesive properties. High build fast drying epoxy coating modeled after Military Specification MIL-C-4556 and Bureau of Ships Specification MIL-P-23236 Class I designed to cure at low temperature conditions to provide protection for surfaces in severe chemical and physical environments. It is formulated to have excellent chemical and abrasion resistance properties. 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 industrial waste, brine waters and water solutions containing salts, detergents, many alkalis and other chemicals. Also petroleum products such as sweet and sour crude oil, kerosene, diesel, gasoline, aviation fuels, motor oils, lubrication materials, greases, hydraulic fluids and aliphatic hydrocarbon solvents. Intended for use in both field and shop operations. The principal use is in water-chemical problem areas such as marine service, oil field production and refining, mining, pulp and paper plants, hydroelectric generating and wastewater treatment facilities. Suggested as a heavy-duty, all purpose, corrosion resistant protective coating. Self-priming to steel, concrete, and most surfaces or may be used in combination with primers such as CORCHEM® 97, 260, MCTHANE™ 150, and many other CORCHEM® products.

COLORS / FINISH White, Grey, & Black / Medium Gloss

VOLUME SOLIDS 85%

DRY COVERAGE Theoretical (no loss): 1360 sq. ft. per gallon for one mil (.001). When computing coverage allow for application loss and surface irregularities.

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 1 to 4 (Component A : Component B).

POT LIFE <2 hours @ 70°F (mixed one-gallon kit). 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. Sudden and/or substantial temperature change during curing process or in-service conditions can cause film defects.

CURING TIME Recoat 4-48 Hours @ 70°F. Final Cure for service 3 days @ 70°F.

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

SHELF LIFE 2-years from shipment date protected between 40°F and 100°F in its original sealed container.

PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
CONTACT YOUR CORCHEM® REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

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