

CORCHEM® 243 CHEMICAL RESISTANT ESTER

GENERAL C243 is an advanced technology epoxy novolac vinyl ester resin, which cures by polymerization of reactive vinyl groups in the presence of peroxide catalyst. The polymer structure is extremely chemical resistant and is reinforced with laminae flake pigments. Thick film heavy-duty vinyl ester lining designed to cure at ambient temperature conditions to provide exceptional structural strength and corrosion protection for surfaces in severe chemical and physical environments. It features a fast cure and early return to service time; and is formulated to be extremely hard, tough and abrasion resistant.

USE Steel and concrete storage tanks and vessels, containment walls and floors, piping and processing equipment handling petroleum products such as sour crude, industrial waste and brine waters and water solutions containing salts, detergents, most solvents, acids, alkalis, and other chemicals. Provides a high degree of protection against corrosive moisture, fumes, carbon dioxide, hydrogen sulfide and methane gases. It is also resistant to petroleum products such as kerosene, diesel, gasoline, aviation fuels, motor oils, lubrication materials, greases, hydraulic fluids, alcohols; aliphatic and aromatic hydrocarbon solvents. Self-priming to steel, concrete and most surfaces.

COLORS / FINISH Beige & Gray./ Low Gloss

VOLUME SOLIDS 100% (Theoretical) / 85% (Practical). Contains a volatile monomer. Substantial evaporation (loss) during application and curing may result

DRY COVERAGE Theoretical (no loss): 1600 sq. ft. per gallon for one mil (.001) / Practical (no loss): 1360 sq. ft. per gallon for one mil (.001). **When computing working coverage, allow for substantial monomer evaporation, in addition to application loss and for surface irregularities.**

DRY FILM THICKNESS Normal / standard dry film thickness of 32 – 40 mils in two or more application coats. Can be applied up to 25 mils dry 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. Use 2 - 2½ oz. of Peroxide Catalyst to 1-gallon Base material.

POT LIFE <1 hour @ 70°F (one gallon mixed quantity). Pot life is significantly shorter for higher temperatures or larger quantities and longer for lower temperatures or smaller quantities.

VOC CONTENT 178 gms/l or 1.5 lbs/gal. Conforms to United States National Volatile Organic Compound Emission Standards.

THINNER CORCHEM® 16 STYRENE. Thin only as required for proper application.

APPLICATION METHODS Air or airless spray, roller, brush (small areas), and hand lay-up method.

TEMPERATURES Apply at 40°F to 125°F (Air and Surfaces) and 5°F above the dew point.

CURING TIME Recoat 4-16 Hours @ 70°F. Final Cure for service 5 days @ 70°F.

PACKAGING 5-gallon pre-measured package kit [Peroxide Catalyst included].

SHELF LIFE 90 days from shipment date protected between 40°F and 90°F in its original sealed container.

PUBLISHED PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. [C243-2-PB-01262024]
CONTACT YOUR CORCHEM® REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

