

### CORCHEM® 283 ENVIRONMENTAL FINISH

**GENERAL** C283 is a diglycidyl ether of bisphenol-A resin reacted with a unique modified multiple ring cycloaliphatic amine adduct activator. The polymer structure is extremely tough with excellent chemical resistance and is reinforced with laminar flake pigments. This exceptionally attractive ceramic-like high build epoxy mastic is designed to provide penetration, wetting and sealing of substrates and surfaces that will be exposed to severe chemical and physical environments. It is formulated to be extremely adhesive, hard, impact and abrasion resistant. The cured film conforms to United States Department of Agriculture requirements for coatings in incidental contact with food.

**USE** Steel and concrete storage vessels and reservoirs, railcars, tank trucks, mechanical machinery, piping and processing equipment, containment walls and floors. Provides a high degree of protection against moisture, corrosive fumes, and chemical contact. Intended for use in both field and shop operations. The principle use is for corrosion and abrasion problem areas such as industrial facilities and architectural structures. Suggested as a heavy-duty, general purpose, decorative protective lining or finish. Self-priming to steel, concrete, most substrates and poorly prepared 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 (other colors available) / High Gloss, *See Technical Bulletin for further information.*

**PACKAGING** 2-gallon and 10-gallon, and 100-Gallon pre-measured packaged kits.

**COMPONENTS** Two. By volume 1 to 1 (Component A : Component B).

**HAZMAT DATA** Hazard Class 8 – Corrosive (Component A), Hazard Class 9 – Environmentally Hazardous Substance (Component B). This material ships in any quantity via common carrier only. *Refer to individual Component's Safety Data Sheet for complete Hazmat and Safety information.*

**VOLUME SOLIDS** 98% (may vary depending on color selected).

**VOC CONTENT** 35.94 g/l or 0.30 lbs./gal. Conforms to 40 CFR §59.402 VOC content limits.

**DRY FILM THICKNESS** Normal / standard dry film thickness up to 20 mils. Do not exceed 30 mils per coat. *See Technical Bulletin for further information.*

**POT LIFE** Approximately 1 hour at 70° F (mixed 1-gallon kit). *See Technical Bulletin for further information.*

**THINNER** CORCHEM® 4 Thinner. Thin only as required for proper application. *See Technical Bulletin for further information.*

**TEMPERATURES** Apply at 35°F to 125°F (Air and Surfaces) and 5°F above the dew point.

**APPLICATION METHODS** Air or airless spray (heaters and plural component equipment not required), roller, squeegee, brush (small areas), "chopped" and "hand lay-up" method.

**CURING TIME** Recoat 2 – 24 hours @ 70°F. Final Cure for service 24 hours @ 70°F.

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

PUBLISHED PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.]  
CONTACT YOUR CORCHEM® REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

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