

CORCHEM® 253 CO₂ LINING

- GENERIC** C253 combines proprietary modified multifunctional epoxy phenol novolac resins reacted with multifunctional amines. The polymer structure is tight/densely cross-linked and has a high heat deflection temperature. This heavy-duty coating is designed to cure at ambient temperature conditions to provide protection against wet/dry gases and liquids containing high carbon dioxide [CO₂] concentrations in elevated pressure and/or temperature service environments. It is formulated to be extremely adhesive, hard, tough and abrasion resistant.
- USE** Steel storage vessels, piping and processing equipment used for carbon dioxide [CO₂] flooding and enhance oil recovery operations. Provides protection for steel against corrosive moisture, fumes, carbon dioxide, hydrogen sulfide and methane gases. Intended to be applied in both field locations and shop facilities. The principal use is in chemical problem areas such as oil field production.
- COLORS / FINISH** Gray, Green, & White / Medium-High Gloss.
- VOLUME SOLIDS** 78%.
- DRY COVERAGE** Theoretical (no loss): 1,248 sq. ft. per gallon for one mil (.001). When computing coverage allow for application loss and surface irregularities.
- DRY FILM THICKNESS** Normal / standard dry film thickness of 5 – 8 mils applied per coat with a total system dry film thickness of 10 – 16 mils applied in two or more coats. 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). 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** 186 gms/l or 1.55 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, roller, 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** Refer to Technical Bulletin for Curing Schedule.
- PACKAGING** 1-gallon & 5-gallon kits.
- SHELF LIFE** Two 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.
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Document ID: C253-2-PB-04212020-1231
Revision: 1

