

CORRO-CHEM 333 / 333 (R) TECHNICAL DATA

HIGH PERFORMANCE, 100% SOLIDS EPOXY COATING FOR AGGRESSIVE CHEMICAL EXPOSURES

Attractive for down-hole applications exposed to high ambient temperatures, Hydrogen Sulfide and hydrocarbons |
 High Performance 100% Solids Epoxy Coating Easy 2:1 Mixing Ratio

DESCRIPTION	<p>CORRO-CHEM 333 is a Novolac® resin based coating designed for applications where resistance to aggressive chemical exposure is of paramount importance. The sophisticated resin formula has excellent resistance to acids, acid fumes and a wide variety of solvents including methanol and ethanol.</p> <p>CORRO-CHEM 333 cures to a very tough, abrasion and impact resistant film. Use as a hopper car lining exposed to impact, abrasion and chemical fumes is particularly recommended.</p> <p>The high heat resistance of CORRO-CHEM 333 makes it very attractive for down-hole applications exposed to high ambient temperatures and hydrocarbons.</p> <p>Recommended application is by heated plural 2/1 airless spray with easy touch up by brush or roller.</p>
USES	<p>DOWN-HOLE TUBULAR COATING : ID and OD coating, especially suitable for “Ruffcoat” OD treatment.</p> <p>TANK LINING : High hydrocarbon chemical resistance and early return to service make CORRO-CHEM 333 an ideal high build tank lining.</p> <p>HOPPER CAR LINING : Excellent physical and chemical resistance properties.</p> <p>CONCRETE CONTAINMENT : Excellent adhesion to concrete and chemical resistance.</p>
APPEARANCE	<p>COLORS Standard Blue – others available</p> <p>FINISH Smooth, high gloss</p>
PHYSICAL PROPERTIES	<p>VEHICLE TYPE Epoxy / Aliphatic amines</p> <p>PIGMENTATION Color / Inert / Barrier</p> <p>CLEANER MEK or lacquer thinner</p> <p>MIXING RATIO 2 : 1 by volume</p> <p>INDUCTION TIME Not required</p> <p>POT LIFE Approx. 25 minutes / 77°F (25°C)</p> <p>THINNING..... Not normally required</p> <p>SOLIDS BY VOLUME 100%</p> <p>RECOMMENDED THICKNESS..... 500 microns minimum</p> <p>THEO. SPREAD RATE 80 sq.ft / gal @ 20 mils; 7.57 sq.m / gal @ 500 microns</p> <p>DRY TIME (TO TOUCH) 8 hours at 77°F (25°C)</p> <p>DRY TIME (RECOAT) 12 hours min – 5 days max at 77°F (25°C)</p> <p>APPLICATION METHOD Brush, roller, airless spray</p> <p>SHELF LIFE 12 Months minimum</p> <p>VOC Essentially Zero</p> <p>HARDNESS 80 Shore D</p>
SAFETY INFORMATION	<p>FLASH POINT..... Over 200°F</p> <p>STORAGE CONDITIONS..... Normal</p>

SOLVENT - FREE COATING FOR WET OR BRUTAL ENVIRONMENTS

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SURFACE PREPARATION	<p>Surface must be free of oil, grease, dirt etc. For steel in atmospheric service an SSPC-SP-6 Commercial blast will be the ideal standard of surface preparation. However, surface prepared to SSPC SP3 area needs to be primed by Corro-Dur 258 / Corro-Dur 192 / Corro-Dur 257.</p> <p>Steel For steel in immersion service an SSPC-SP-5 “white metal” blast standard is required. An angular surface profile of 2 – 3 mils, (50 – 75 microns), is recommended.</p> <p>Concrete Concrete is best prepared by brush blasting at a reduced pressure in order to yield a “medium sandpaper” texture free of gross surface deposits or contamination.</p>
MIXING RATIO	<p>CORRO-CHEM 333 is supplied in 15 US gallons-kit (10 US gallon of Part A and 5 US gallon of part B). When applied premixed the components must be intimately mixed before application taking special care to incorporate components from the walls and base of the mixing vessels.</p> <p><i>Note: unmixed components will never cure.</i></p>
APPLICATION BY AIRLESS SPRAY	<p>Pump: 45:1 King (Graco) or similar with the ability to maintain 3,000 psi during application</p> <p>High Pressure Filter: 60 mesh</p> <p>Fluid Hose: 3/8”, 100’ max</p> <p>Fluid temp: 140’F, (60’C) recommended for cold application with twin feed system</p> <p>Spray Tips: 0.019” – 0.027”</p> <p>Substrate temp: 40’F, (4.5’C), minimum</p>
CURING BEFORE SERVICE	<p>Allow 72 hours curing at 25°C (77°F) before immersion service in hydrocarbon service – check with Corroserv before scheduling return to service.</p>
CHEMICAL RESISTANCE	<p>This is a newly formulated product with extensive chemical resistance testing in progress. At the present time, December 2008, excellent results after several months exposure are being observed in methanol solutions from 2 - 100% methanol / distilled water and in 36% hydrochloric acid. Additional results will be reported when testing has passed significant exposures.</p>
TRANSPORTATION	<p>Regulated by United States - Department of Transport (USDOT), International Air Transport Association (IATA) or International Maritime Organization (IMO). To be shipped via sea freight only.</p>

SAFETY : This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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