

CORR-RES™ EPOXY DATA SHEET

CORROSION-RESISTANT SPRAY-ON COATING FOR DE-WATERING BOXES, SLUDGE-TUB TRAILERS, CHEMICAL STORAGE TANKS, RETORT PITS

AND OTHER CORROSION-PRONE METAL OR CONCRETE SURFACES

Corr-Res™ is a two-component, 100% epoxy, sprayable compound designed to protect steel or other metallic surfaces, as well as concrete surfaces, prone to corrosion.

Corr-Res™ is resistant to corrosive chemicals often found in sludge associated with de-watering boxes and sludge-tub trailers, and concrete surfaces exposed to corrosive chemicals associated with waste-water treatment, etc.

Corr-Res™ exhibits long service life, extreme durability, high adhesion and reliable resistance to: extreme weather; abrasion; corrosion; water immersion; temperature extremes; vehicular traffic; acids, alkalis, solvents; petro-chemicals, lubricants, gasoline, aviation & diesel fuels;

Corr-Res™ possesses excellent chemical resistance, flexural, impact and tensile characteristics, even after years of exposure to harsh environments. Recommended for lining wood preservative chemical storage tanks containing CCA, ACQ, CA, BAC (quat - 50%), pentachlorophenol & other wood preservative chemicals.

Corr-Res™ can be applied on re-bar, concrete, wood, metal, masonry or other surfaces as a protective coating.

SURFACE PREPARATION

All surfaces to be coated with **Corr-Res™** should be dry, clean, and free from all oil, grease, paint, corrosion, wax, tar, asphalt, loose aggregate, dirt, and other contaminants.

MIXING INSTRUCTIONS

4 parts **Corr-Res™ Base Compound** and 1 part **Corr-Res™ Curing Agent** (4:1 by wt) are mixed until completely uniform, and no trace of unmixed base compound or curing agent is visible. {For concrete repair purposes, up to 5 parts (by wt) Dry Portland Cement and appropriate aggregate, can be added to 1 part mixed **Corr-Res™**. For surface texturing, slowly add up to 40 pounds of dry, fine (#30) silica sand to 1-gallon of mixed **Corr-Res™**. Mix thoroughly until gravel or sand aggregate is completely uniform and "wetted out". Optimum mixing temperature is 70°-80°F.}

APPLICATION

Two coats of **Corr-Res™** are normally requires.

Roll-apply straight **Corr-Res™** using brush or short-nap paint roller. 6-mil coat WFT will cover approx.: 240-sq.ft. on non-porous surface; 180-sq.ft on porous surface.

Airless spray-application requires thinning **Corr-Res™** with approx 5% (by volume) Acetone for proper flow on surface.

HVLP spray-application: thin with approximately 10% (by volume) Acetone to attain sprayable viscosity.

TOOL & EQUIPMENT CLEANING

Tools for applying **Corr-Res™** may be cleaned using Lacquer Thinner, M.E.K., Toluene, Xylene or other chlorinated solvent, before material cures.

PACKAGING

Corr-Res™ is packaged in 1-gallon kits and 1-quart kits.

PHYSICAL PROPERTIES

APPLICATION

Base Color	Standard gray
Consistency	Pourable (heavy viscosity)
Curing Agent Color	Light-Amber Clear
Consistency	Pourable (light viscosity)
Mixing Ratio (by weight)	4:1
Solid Content	100%
Optimum Mix Temperature	70°-80°F
Usable "Pot" Life	@75-min. at 75°F/50% RH
"Light Traffic" Cure Time	@24-hrs. at 75°F/50% RH
Full Cure Time	@72-hrs. at 75°F/50% RH
WFT = DFT	15-mils (recommended)
Coverage at 15-mil	107-sq.ft.

PERFORMANCE

Color	Standard gray #012
Shrinkage	Negligible
Hardness	80 Shore "D"
Peel Adhesion (100% Cohesive Break)	20 lbs/inch
Compression Strength	18,000 P.S.I.
Tensile Strength	10,000 P.S.I.
Flexural Strength	8,000 P.S.I.
Impact Strength	2.5 foot-pounds/inch of Notch
Tensile Modulus	2 x 10 P.S.I.
Chemical & Solvent Resistance	Excellent
Liquid Temperature Resistance	Up to 212°F

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