

REBCOAT TL

PRODUCT DESCRIPTION

REBCOAT TL is an epoxy lining material for liquid & solid containment structures. It is a solvent free, pigmented, two component preparation of liquid colored epoxy resin with formulated amine hardener.

REBCOAT TL is safe for use on areas in direct contact with potable water or food stuffs. It is lead free, food grade when fully cured, non-toxic and passes the local BFAD specifications for materials intended for food contact use.

REBCOAT TL is very hard and has good resistance to abrasion and impact resistance. It is waterproof, waste water and sea water resistant. It has excellent resistance against organic and inorganic acids, lyes, mineral oil and many solvents. REBCOAT TL is resistant to constant temperature variations from 30°C to 100°C dry heat and up to 60°C wet heat.

USES & APPLICATIONS

REBCOAT TL is designed for use as interior coating on concrete or steel structures such as those used for potable / non-potable water, chemicals, grains, and powders. It is also suitable for use on sewage and waste treatment plants.

INSTALLATION PROCEDURE

Surface Preparation

Remove all excess concrete and other foreign material that will impair the bonding of the epoxy coating. Use a damp sponge to remove dirt and dust prior to the application of the base coat.

Application

When mixing, make sure that all contents of the 2 components are poured in a mixing container. Mix vigorously the 2 components using a mixing drill or a paddle for at least 2 minutes. Using roller, brush or paint brush, apply the base coat on a single stroke. Coverage for base coat per gal-set is at 8 - 10 sm. Interval of coating must not

exceed 24 hours to ensure adhesion of the 2 coats. Using the same mixing procedure and standard time interval of application, apply the top coat with a coverage of 6-8 sm./gal-set to attain desired film thickness

Curing

REBCOAT TL Epoxy Coating will be fully cured after (7) days.

TECHNICAL DATA

Property	Data
Form	Liquid
Color	Amber
Packaging	Part A (Resin), Part B (Hardener)
Mix Ratio (by volume)	2:1 (Resin : Hardener)
Coverage	15-18 m ² /gal. per coat
Shelf Life	6 months
Pot Life	20-30 minutes
Setting Time	4-6 hours
Reccomended coats	2 coats
Thickness (DFT)	20 mils @ 2 coats
Viscosity @ 25°C	Resin : 600cP , Hardener: 26,000cP
Electric Conductivity	NIL
Chemical Resistance (ASTM C581)	Excellent to oil, solvents, alkalis & diluted acids
Flexural Strength (ASTM C348)	37 MPa
Elongation (ASTM C190)	13%
Tensile Strength (ASTM C190)	24 MPa
Slant Shear Bond Strength (ASTM C882)	45 MPa
Compressive Strength (ASTM C39/C78)	76 MPa
Water Absorption	0.02%
Non Toxicity / Potability for Food Contact Material (BFAD)	Passes BFAD Standard