

FLEXI-DECK 500-U

100% SOLIDS ELASTOMERIC EPOXY COATING

DESCRIPTION:

Edison **FLEXI-DECK 500-U** is a 100% solids urethane-modified epoxy elastomeric membrane/coating, designed for high performance under a wide range of application and service conditions.

FLEXI-DECK 500-U features odorless application, near-zero VOC content, medium viscosity and high bond strength to properly prepared concrete, steel, aluminum, ceramic tile*, plywood, natural stone, glass*, vinyl tile and may other substrates. (*Note: Some glassy surfaces require use of **Type G** adhesion promoting additive.)

Common uses for FLEXI-DECK 500-U include:



- **PARKING DECK WATERPROOFING MEMBRANES**
- **INDUSTRIAL FLOORING UNDERLAYMENT**
- **MECHANICAL ROOM FLOORING**
- **NON-SLIP SURFACING**
- **TANK LINING & SECONDARY CONTAINMENT**

APPLICATION

Surface Preparation: Surfaces to be coated are best if clean and dry, free of grease, oil, dirt, and other contaminants. If product will be applied over smooth

or previously coated surfaces, a test application should be performed to assure adhesion and compatibility. For specific alternate procedures for contaminated or coated surfaces, consult your Edison Coatings Representative. Detailing of cracks, joints, drains, perimeters and penetrations should be performed as stated in the **FLEXI-DECK 500** installation manual.

Thinning & Mixing: **FLEXI-DECK 500-U** is supplied as a medium viscosity, two-component, 100% solids coating. For most applications, no thinning is required. In some cases thinning may be economically advantageous, to increase product spread rate. In other cases, slight solvent addition may improve the “bite” on a hard existing coating, may improve penetration of slightly oily surfaces or may reduce viscosity for easier use at lower temperatures. Thinning should be limited to the minimum required, typically about 5-10% solvent addition should be sufficient. Use only compatible solvents, such as xylene or methyl ethyl ketone. **Caution: Solvents are hazardous materials and must be handled in accordance with the safety guidelines published by their manufacturers.**

Mix ratio is nominally 1:2 resin to hardener by volume. Measure and mix consistently. Product is also available in pre-measured units, eliminating the need for field-measuring of components. Mix thoroughly for at least two minutes, scraping the container bottom and sides to assure complete mixing. There is no induction or waiting time required after mixing before application.

The exothermic nature of epoxy setting reactions may cause rapid temperature rise when the mixture is left massed in a pail, resulting in high temperatures and loss of utility of the product. To maximize handling and working time, pour the mixture into shall-

low pans or dump and squeegee the mixture out onto the surface to be coated within a few minutes of mixing.

Apply by brush, roller, squeegee or plural component spray. Clean tools and equipment immediately after use with xylene. Do not subject to immersion for at least 5 days after application, or discoloration may result.

TECHNICAL DATA:

Composition	100% Solids Modified Epoxy; "0" V.O.C.
Mix Ratio	1:2 by Volume
Viscosity	3000-6000 cps
Pot Life	15-20 mins. at Room Temp.
Coverage	60-80 sq. ft./gal. per coat
Film Build	40-70 mils (2 coats plus anti-skid aggregate)
Elongation	Approx. 350%
Tensile Strength	400-800 psi

SAFETY

Read and observe the safety and handling guidelines as detailed in the Material Safety Data Sheets supplied with this product. Avoid skin and eye contact. Epoxy resins are potential sensitizers, although Edison Coatings, Inc. avoids the use of the most highly sensitizing BGE and CGE diluents in this product. Hardener is a Corrosive Liquid. Avoid skin and eye contact. Remove from skin immediately, in case of contact. Remove contaminated shoes and clothing immediately.

FOR COMMERCIAL & INDUSTRIAL USE ONLY.



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