RUST-OLEUM®

Concrete Protection Systems

OVERFLEX™ E FLEXIBLE EPOXY MEMBRANE

DESCRIPTION

OverFlex™ E is a special high elongation epoxy. This virtually 100% solids material will not shrink. It is used to reduce the possibility of crack transmission from the concrete to the rigid monolithic topping above. The integrity of the chemical barrier is thus maintained.

OverFlex™ E is suitable as a flexible flooring membrane as well as for individual crack repair. OverFlex™ E can be used indoors in areas of relatively constant temperatures. For other applications, please consult the Technical Service Department.

OverFlex™ E is suitable for control, contraction, or construction joints. It is not intended for joints specifically designed for movement. It is highly recommended that any crack repair or isolation be evaluated by experienced personnel before proceeding.

This CPS Type II product is typically installed by factory trained contractors. Be sure you are fully aware of all application procedures and have all the required application equipment available prior to beginning application of this product.

FEATURES & BENEFITS

- Highly flexible
- Moisture tolerant
- Excellent intercoat adhesion with epoxy topcoats
- Easy to apply

LEED RATING SYSTEM*

OverFlex™ E meets or exceeds the requirements of EQ Credit 4.2 Low-Emitting Paints & Coatings under the LEED New Construction and Major Renovation Standard.*

OverFlex™ E is manufactured in Tulsa, OK and can contribute to MR Credit 5.1 Use of Regionally Manufactured Materials under the LEED New Construction and Major Renovation Standard* for project sites within a 500 mile radius of Tulsa, OK.

* Visit www.usgbc.org/leed for more information.

PACKAGING

OverFlex™ E is available in a 1.0 gallon (3.78 L) 3.0 gallon (11.34 L) kit.

1 Gallon kit: (part A) partial fill plastic pail; (part B) partial fill metal container

3 Gallon kit: (part A) partial fill plastic pail; (part B) partial fill plastic jug

COVERAGE

Applied at 40 mils: 2½ gallons (9.45 L) per 100 sq. ft. (9.3 m^2)

PRODUCT APPLICATION

CONDITIONS

OverFlex™ E may be applied at temperatures between 65-90°F. Limit application to conditions less than 85% relative humidity to prevent bubbling. See Application Instructions for Crack & Erosion Repair for complete details.

COLOR

OverFlex™ E is light gray, but develops a slight green shade after 48-72 hours. This is normal.

SURFACE PREPARATION

NEW CONCRETE: Laitance must be removed by muriatic acid etching or shot blasting. On concrete that has been cured with curing compounds, or has had a burned in finish shotblasting of sand blasting is required.

EXISTING CONCRETE: Concrete must be sound, and old coatings and toppings must be removed. Concrete must be clean and free of previous coatings, oil, wax paint and other contaminants. Water soluble contaminants can be hosed off with water. Water insoluble materials will require the use of a cleaner degreaser or some other method of removal.

PRIMING

Penetrating Prime & Seal Primer is recommended when OverFlex™ E is being used as a flooring membrane. Priming is not necessary for crack repair.

MIXING

Concrete must be visibly dry at time of application. Mixing is accomplished with an electric drill and Jiffler attachment. Pre-mix part A before adding part B, then mix both parts A and B for 60 seconds. Mix ratio is 1:1 by volume.

APPLICATION

Application (at 40 mils) is accomplished with a squeegee and 3/8 inch nap roller. Allow to cure for 16-24 hours before topcoating.

CLEAN UP

Xylene can be used to remove material from equipment, if it is cleaned before the material has started to set up. Otherwise, methylene chloride will be necessary.

Form: TB9831990
Rev.: 05/08

TECHNICAL DATA

OVERFLEX™ E FLEXIBLE EPOXY MEMBRANE

PHYSICAL PROPERTIES

		OVERFLEX™ E	
		TYPICAL VALUE	TEST METHOD
Tensile Strength		586 psi	ASTM D638
Elongation		66%	ASTM D638
Tear Resisitance		43 lbs./in.	ASTM D1938
Lap Shear Strength		207 lbs./in.^{2}	ASTM D3983
Bond Strength to Concrete		>260 psi (concrete fails first)	ASTM4541
Hardness		Shore D46	ASTM D2240
Taber Abrasion		Loss/1000 cycles = 56 mg.	ASTM D4060
Safety Information	**Warning!**	**AVOID SKIN CONTACT. IN CASE OF EYE CONTACT OR INGESTION, CONTACT A PHYSICIAN IMMEDIATELY. USE OF PROTECTIVE CLOTHING AND GLOVES IS RECOMMENDED. MATERIAL SAFETY DATA SHEETS (MSDS) ARE AVAILABLE ON REQUEST. IT IS STRONGLY RECOMMENDED THAT THEY BE READ BY ALL PERSONS HANDLING OVERFLEX™ E.**	

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RUST-OLEUM® INDUSTRIAL BRANDS

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