

### DESCRIPTION

Highly flexible, two-component, high solids epoxy floor coating. Designed to help bridge cracks in concrete and to help prevent water intrusion into the substrate. Best used as a mid-coat or broadcast coat.

### COLOR

Available in clear, standard colors and optional special and matched colors.

### PACKAGING

Available in one- and five-gallon kits.

### FEATURES

- Ideal for use on cracked industrial floors and parking structures
- Elongation exceeds 85%, more than 30 times that of typical epoxy mid-coats
- Helps seal substrate from leaking below
- Formulated for easy installation with enhanced flow characteristics when applied over proper primer
- Excellent as a mid-coat for any WearCOAT topcoat
- Can be used as a broadcast binder for flake, sand, or quartz media
- Very high resistance to amine blush making it ideal for application in most environments
- Universally VOC compliant
- Fiberglass reinforcement may be used to improve product properties

### USES

WearCOAT 474 is the ideal choice for any application where there are small cracks in concrete floors, especially where there is a need to seal an elevated slab from leaking below. It is flexible yet highly durable and is best used as a mid-coat and will accept broadcast media. For industrial buildings and parking structures, it is designed to offer a flexible and highly durable finish. For enhanced chemical, abrasion, and especially UV resistance, a CFI urethane topcoat is recommended.

Technical Data	
Flash Point:	>200°F (93°C)
Number of Coats:	One, min.
Volume Solids:	90%
Film Thickness:	8-16 mils WFT
Coverage Rate @ 10 mils DFT:	145 sq. ft./gal.
Dry Time, 72°F (22°C), 50% R.H.:	To Touch: 4 to 6 hrs. To Recoat – 8 hrs. Min. 48 hrs. Max. Foot Traffic: 12 hrs. Heavy Service: 72 hrs. Full Cure: 5 days
Thinners:	No Thinning Required
Cleanup Solvent:	CFI 704 Cleaner
Application Temps:	55 - 90°F (13 - 32°C) Must be 5°F+ (2°C+) Abv Dew Point
Continuous Service Temp.:	-10°F to 180°F (-23°C to 82°C) Dry Heat Resistance
Mix Ratio:	1 Part A to 1 Part B by Volume
Pot Life, 70°F, 50% R.H.:	25 minutes
Shelf Life:	18 months in closed container stored @ 50°F to 90°F
V.O.C. Content:	<100 g/L
Elongation:	>85%
Tensile Strength:	1,700 psi

LIMITED WARRANTY: All statements, technical information and recommendations contained herein are based on tests the manufacturer believes to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective at the time the sealed container is first opened, and in no event beyond the published shelf life. Neither seller nor manufacturer shall

be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. At no point shall a claim of loss or damage resulting from use of the product exceed the purchase price allocable to the product giving rise to the claim. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. All data, statements and recommendations made herein are based upon information manufacturer be-

lieves to be reliable, but are made without any representation or guarantee or warranty of accuracy, and are made with reservation of all patent rights. All products are sold on the condition that the user will evaluate them, as well as manufacturer's recommendation, to determine their suitability for user's own purpose before adoption. Statements regarding the use of the products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.

## **SURFACE PREPARATION**

Surfaces should be cleaned of all oil, grease, and dirt. Concrete surfaces must be mechanically prepared in accordance with normal surface preparation recommendations for concrete floors as outlined in (ASTM D-4258, ASTM D-4259, ASTM D-4260, and ASTM D-4262).

Apply to clean, dry surfaces. Remove all dirt and oil residues with a suitable cleaner. Old coatings should be removed by chipping, sandblasting, or grinding.

**New Concrete** – Newly poured concrete must age at least 28 days at temperatures over 70°F before coating. If less than 28 days is required, CFI's WearCOAT 1080 primer may offer reduced wait time; contact your CFI Technical Representative for details.

All efflorescence and laitance should be removed by shot blasting or grinding.

**Old Concrete** – Dirt, grease, or other contamination should be removed with suitable cleaners. Deteriorated areas of concrete should be removed, and, if deeper than 1/2", should be grouted back to original level of concrete.

Prior to surface cleaning, the floor should be tested for the presence of capillary moisture by the calcium chloride method (ASTM F-1869).

## **MIXING**

1. Mix Part A for 2 to 3 minutes to assure full dispersion of pigment.
2. Next, pour all the contents of Component B into Component A container.
3. Stir at low speed to prevent air entrapment for 2 to 3 minutes using an "in the bucket" mixer, such as a Jiffy Mixer. Thorough mixing is required before application.

## **APPLICATION**

Concrete should be dry and surface temperature should be at least 55°F. Pour mixed material directly on the surface in a long puddle and spread using either a flat or a notched rubber squeegee, depending on film thickness requirements.

**IMPORTANT:** *To assure proper mix ratio, DO NOT scrape or drain mixing containers.*

An applicator wearing spiked shoes should then immediately back roll and cross roll the material with a quality "lint-free" 1/4" or 3/8" nap roller cover. Finish application by "laying off" in one direction. Check film thickness and coverage rate frequently.

## **PRECAUTIONS**

Wear safety glasses and impervious gloves. May cause skin irritation. Vapor harmful, eye irritant.

## **HARMFUL OR FATAL IF SWALLOWED.**

If swallowed, do not induce vomiting. Call physician immediately. Avoid prolonged contact with skin, do not breathe vapor or spray mist.

In case of contact with eyes, flush repeatedly with water and contact physician. Use with adequate ventilation.

In confined areas, best practice dictates the use of adequate forced ventilation during application and drying. In areas where there is a minimum of air movement, fresh air masks should be used.

## **READ THE SAFETY DATA SHEET PRIOR TO USE.**