

### Technical Data

Flash Point: >200°F (93°C)

Number of Coats: One, min.

Volume Solids: 100%

Film Thickness: 8-16 mils WFT

Coverage Rate @ 8 mils WFT/DFT: 200 sq. ft./gal.

Dry Time  
72°F (22°C), 50% R.H.:  
To Touch: 2 to 3 hrs.  
To Recoat – 4 hrs. Min.  
24 hrs. Max.  
Foot Traffic: 8 hrs.  
Heavy Service: 36 hrs.  
Full Cure: 5 days

Dry Time  
40°F (4°C), 50% R.H.:  
To Touch: 7 to 9 hrs.  
To Recoat – 12 hrs. Min.  
48 hrs. Max.  
Foot Traffic: 24 hrs.  
Heavy Service: 72 hrs.  
Full Cure: 5 days

Thinners: No Thinning Required

Cleanup Solvent: CFI 704 Cleaner

Application Temps: 40 - 90°F (4 - 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: 2 Part A to 1 Part B  
by Volume

Pot Life,  
70°F, 50% R.H.: 20 minutes

Shelf Life: 18 months in closed container  
stored @ 50°F to 90°F

V.O.C. Content: <50 g/L

Induction Time: None Required

## DESCRIPTION

Two component, 100% solids epoxy floor coating. Fast set for use where low temps or quick cure are necessary. Designed for easy installation with enhanced flow characteristics; provides the perfect foundation for all CFI topcoats, and is ideal as a binder for any broadcast media. Features good chemical resistance properties, is near-zero VOC, extremely low odor.

## COLOR

Available in standard colors and clear.

## PACKAGING

Available in one- and five-gallon kits.

## FEATURES

- Formulated for general industrial flooring as an excellent high-build mid-coat
- Can be pigmented or used clear
- Ideal for use as a broadcast binder for flake, sand, or quartz media
- Also available in standard cure speed where high ambient moisture may be a concern; see WearCOAT 440

## USES

WearCOAT 440FS effectively covers a wide array of applications. It is available clear and in standard or custom colors to meet virtually any specification. It is also an excellent binder for broadcast applications.

It is typically used as an economical clear or pigmented coating where high gloss and durability is needed.

When installed as a top coat, WearCOAT 440FS is best for interior use only as it is prone to UV yellowing over time. If enhanced chemical, abrasion, and especially UV resistance is required, WearCOAT 100 topcoat is recommended.

## READ THE SAFETY DATA SHEET PRIOR TO USE.

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.

Refer also to WearCOAT 440FS Safety Data Sheet.