

DESCRIPTION

Two component, 100% solids high-build epoxy floor coating. Designed for easy installation with enhanced flow characteristics and where self-leveling is key. Provides excellent foundation for all CFI topcoats, and is ideal as a binder for any broadcast media. Features good chemical resistance, is near-zero VOC, extremely low odor, and is highly resistant to amine blush.

COLOR

Available in standard colors and clear.

PACKAGING

Available in one- and five-gallon kits.

FEATURES

- Formulated for general industrial flooring as an excellent extra-high-build mid-coat
- Unique blend of additives provides a self-leveling coating in a high-build formulation; it rolls out quickly and easily, virtually eliminating heavy roller drag
- Can be pigmented or used clear
- Very high resistance to amine blush making it ideal for application in most environments

USES

WearCOAT 460 effectively covers a wide array of applications where a thicker wear layer is needed to help level minor concrete imperfections. It is available clear and in standard or custom colors to meet virtually any specification.

It is typically used as a clear or pigmented coating where there is a high need for self-leveling.

When installed as a top coat, WearCOAT 460 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

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Technical Data

Flash Point:	>200°F (93°C)
Number of Coats:	One, min.
Volume Solids:	100%
Film Thickness:	12-30 mils WFT
Coverage Rate @ 20 mils WFT/DFT:	80 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:	2 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:	<50 g/L
Induction Time:	None Required

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" 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 Safety Data Sheet.