

DESCRIPTION

Two component, 100% solids, high-build epoxy floor coating.

COLOR

Available in standard colors.

PACKAGING

Available in one and five gallon kits.

FEATURES

- Economical coating for general industrial flooring use.
- Unique blend of additives for a high-build self-leveling coating without heavy roller drag.
- High resistance to amine blush.

USES

WearCOAT 460 is a high build, 100% solids epoxy floor coating with good chemical resistance properties, near zero VOC, extremely low odor and a high resistance to amine blush.

WearCOAT 460 in standard colors is typically used as an economical pigmented coating with high-gloss in areas that require a high-build with self-leveling properties. Good for reducing minor substrate imperfections or providing a thicker wear layer.

WearCOAT 460 is recommended for interior use only as it is prone to UV yellowing.

If extra chemical, UV, or abrasion resistance is required, use WearCOAT 100 or WearCOAT 2035 as the finish coat.

READ THE SAFETY DATA SHEET PRIOR TO USE.

Technical Data

Coverage Rate @ 8 mils WFT/DFT:	200 sq. ft./gal.
Minimum Application Temp.:	50°F (10°C). Substrate must be at least 5°F (3°C) above dew point
Pot Life @ 70°F, 50% R.H.:	25 minutes
Dry Time @ 70°F, 50% R.H.:	To Touch: 4-6 Hours To Recoat: 8 Hours Minimum 48 Hours Maximum Foot Traffic: 12 Hours Heavy Service: 72 Hours Full Cure: 5 Days
VOC:	< 50 g/L
Flash Point:	200°F (93°C)
Volume Solids:	100%
Shelf Life:	18 months in closed container stored @ 50°F to 90°F (10°C to 33°C)
Cleanup Solvent:	CFI 704 Cleaner
Number of Coats:	One minimum
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
Thinners:	No thinning required
Induction Time:	None

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 (22°C) before coating. Concrete should have a minimum of 3,000 psi at the surface when tested with a Schmidt hammer.

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 moisture meters or by the plastic sheet method (ASTM D-4263).

MIXING

Mix Part A for 2 to 3 minutes to assure full dispersion of pigment. Pour Component B (hardener) into Component A (resin).

Stir at low speed to prevent air entrapment for 2 to 3 minutes (base mixing time on temperature and viscosity), using an "in the bucket" mixer, or jiffy mixer. Thorough mixing is required.

APPLICATION

Concrete should be dry and surface temperature should be at least 55°F (13°C). 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: *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 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, use 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 460 Safety Data Sheet.