

DESCRIPTION

Three-component, trowel applied, aggregate filled epoxy floor surfacer used primarily to fix the surface of damaged concrete, providing a new surface stronger than the original.

COLOR

Gray or red.

PACKAGING

Pre-measured in 16 sq. ft. units or 32 sq. ft. units.

USES

WearCOAT 805 Surfacer is an epoxy topping generally applied at 1/4" thick to concrete surfaces in need of repair. It is supplied as a three-component kit, and is a chemically cured system for interior or exterior use. This repair topping is fast curing and highly resistant to impact and wear. It can be trowel applied to new or old concrete. It may also be applied to wood or pre-primed steel.

WearCOAT 805 Surfacer finds use wherever tough abrasion resistant and corrosion resistant areas are needed such as plating and machine shops, chemical and petrochemical plants, or in heavy traffic service areas such as warehouses, loading docks, or ramps.

With the use of a fine-grain sand, it can be finished to provide skid resistant flooring for use in food handling and processing areas, breweries, dairies, laundries, pharmaceutical plants, and more where spilled liquids may cause slippery conditions.

SURFACE PREPARATION

Apply to clean, dry surfaces. Remove all dirt and oil residues with a suitable cleaner. Old paint should be removed.

New Concrete - Concrete should have a minimum of 3,000 psi at the surface when tested with a Schmidt hammer per ASTM C805.

All efflorescence and laitance should be removed by mechanical blasting, scarification, or grinding.

Old Concrete - Dirt, grease or other contamination should be removed with suitable cleaners. Areas of deteriorated concrete should be removed, and, if deeper than 1/4," should be grouted back to original lines of concrete by using WearCOAT 805 Surfacer and adding up to 50% by volume of 1/4" pea gravel.

Technical Data

Coverage:	16-32 sq. ft. at 1/4" thick
Curing Time @ 75°F:	Light Foot Traffic – 6 to 8 hrs. Light Rolling Traffic – 12 to 14 hrs. Heavy Rolling Traffic – 34 to 36 hrs.
Compressive Strength:	12,000 psi
Packaging:	3-Component Packaging
Unit Gross Weight:	42 lbs. for 16 sq.ft.
Min. Application Temp.:	50°F
Pot Life @ 70°F:	20 Min
Cleanup Solvent:	CFI 704 Cleaner
Primer:	WearCOAT 805 Primer

READ THE SAFETY DATA SHEET PRIOR TO USE.

MIXING

Primer: WearCOAT 805 Primer is a two-component epoxy for use in bonding epoxy topping to concrete and for bonding new concrete to old concrete. Primer should be prepared as follows:

Pour Component B Hardener into the Component A Resin container; room has been provided for mixing and stirring. Stir vigorously for at least 3 minutes with a mechanical mixer.

Surfacer: Pour Component B Hardener into the Component A Resin container; room has been provided for mixing and stirring. Stir vigorously for at least 3 minutes with a mechanical mixer. Place included aggregate in a mortar or cement mixer and add mixed liquid to the aggregate. Mix until all of the aggregate is fully and uniformly wet with the liquid.

APPLICATION

Concrete should be dry and surface temperature should be at least 50°F. Roll or brush the WearCOAT 805 Primer onto the substrate using a 1/4" or 3/8" nap roller. Only prime an area that can be topped while primer is still tacky (generally 3 to 4 hours). If primer becomes hard before applying surface, the area must be re-primed.

WearCOAT 805 Surfacer is applied while primer is still tacky and in a single 1/4" thick coat by using ordinary concrete working tools such as screeds, steel finishing trowels, and power tools.

SPECIAL INSTALLATION INSTRUCTIONS

Expansion-contraction joints should be placed in the topping at 20 to 25 foot intervals. In addition, they should be placed at joints in the substrate, and at piers, columns, or other protrusions.

The joints should be 1/2" wide and the full depth of the topping and then filled with a suitable expansion material such as polysulfide or butyl rubber caulks.

Where feathering to an existing concrete area is desired and where heavy wheeled-traffic load will be involved, a kerf should be cut in the concrete and the topping troweled into the cut (see Figure 1, below).

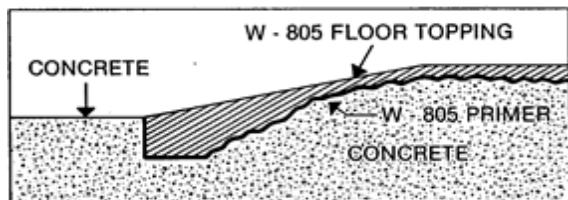


Figure 1

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 believes

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.

CHEMICAL RESISTANCE

Inorganic Acids		Alkalies & Bleaches		Organic Compounds	
37% Hydrochloric	R	20% Sodium Hydroxide	R	Gasoline	R
35% Phosphoric	R	Sulfur Dioxide	R	Lactic Acid	R
20% Nitric	R	Soda Ash	R	Benzol	R
35% Chromic	L	Bleach	U	Oils	R
50% Sulfuric	L	Chlorine (Wet)	U	Fatty Acids	R
				Alcohols	R
				Toluol	R
				Chlorinated Solvents	L
				Ketones	L
				100% Acetic Acid	U

R = Recommended
L = Limited Resistance
U = Unsatisfactory

PRECAUTIONS

WearCOAT 805 epoxy resin and hardener contain material which may cause dermatitis and sensitization.

Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated breathing of vapors. In case of contact with skin or eyes, flush with water for fifteen minutes. For eyes, get prompt medical attention.

Use in well ventilated area. The use of plastic or rubber gloves when using this material is required.

Refer also to Safety Data Sheets for additional safety and disposal information.