

DESCRIPTION

Three component, trowel applied, aggregate filled epoxy floor surfacer.

COLOR

Gray or red.

PACKAGING

Pre-measured in a 16 sq. ft. unit or 32 sq. ft. unit

USES

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

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

This self-priming product intended for use with a suitable topcoat. It can be finished so as to provide skid resistant flooring for use in food handling and processing areas, breweries, dairies, laundries, pharmaceutical plants, etc., where spillage or liquid 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 by chipping, blasting or grinding.

New Concrete - 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 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 minutes
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 Component A (resin). (The resin container has room to allow for hardener and stirring.) Stir vigorously for at least 3 minutes with a mechanical mixer.

Surfacer: Pour Component B (hardener) into Component A (resin). (The resin container has room to allow for hardener 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 liquids to the aggregate. Mix until all of the aggregate is fully and uniformly wet with the liquids.

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 reprimed.

WearCOAT 805 Surfacers 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, etc.

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).

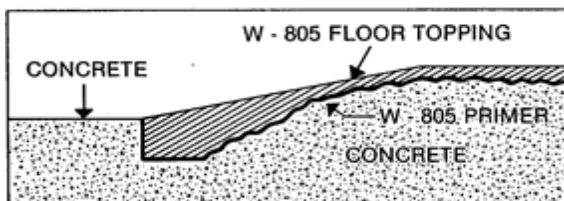


Figure 1

CHEMICAL RESISTANCE

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

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.