

### DESCRIPTION

Single-component, epoxy ester, anti-slip floor and deck coating for heavy pedestrian use.

### COLOR

Available in gray, yellow, red and black.

### PACKAGING

Available in one gallon and five gallon kits.

### USES

WearCOAT SG-1 is designed for application in areas of heavy pedestrian traffic. This coating offers excellent adhesion to metal, concrete and wood surfaces as well as chemical resistance to gasoline, oil, acids, alkalis and aliphatic solvents.

For heavy vehicular traffic, WearCOAT SG-3 is recommended

Technical Data	
Flash Point:	81°F (27°C) cc
Volume Solids:	62%
Theoretical Coverage Rate:	75 sq. ft. per gallon (roller) 60 sq. ft. per gallon (trowelled) 90 sq. ft. per gallon (spray)
Dry Time, (72°F, 50% R.H.):	Foot Traffic – 12 hrs. Heavy Service – 72 hrs. Full Cure – 7 days
Coefficient of Friction: (ASTM F-609)	Dry – 1.2 Wet – 1.0
Cleanup:	CFI 704 Cleaner, MEK, or Lacquer Thinner
Min. Application Temp.:	55°F *Must be 5°F above dew point
Continuous Service Temp.:	200°F (90°C) Dry Heat Resistance
Limitations:	125°F Dry or Wet
Shelf Life:	24 Months in closed container stored @ 50°F to 90°F
V.O.C.:	<2.1 lbs. per gallon (<250g/L)
Relative Humidity:	85% Max.
Primer	
Concrete:	WearCOAT 1020, WearCOAT 490
Steel:	Urethabond 104

### CHEMICAL RESISTANCE – 72 HOUR SPOT TEST

Ratings: P – POOR, G – GOOD, E – EXCELLENT.					
ACETIC ACID 10%	G	GASOLINE (REGULAR)	E	NITRIC ACID CONCENTRATED	P
OLEIC ACID	P	JP5 JET FUEL	E	PHOSPHORIC ACID DILUTE	G
OXALIC ACID	G	HYDROGEN PEROXIDE DILUTE	G	SULFURIC 20%	G
TANNIC ACID	G	KEROSENE	E	ACETONE 100%	P
CALCIUM HYDROXIDE	G	LINSEED OIL	G	ALCOHOL'S	G
POTASSIUM HYDROXIDE 40%	P	CHROMIC ACID UP TO 20%	P	BUTYL ACETATE	G
SODIUM CARBONATE	G	CHROMIC ACID OVER 20%	P	METHYL ETHYL KETONE	G
SODIUM CHLORIDE	G	CITRIC ACID 50%	P	TRICHLOROETHYLENE	P
SODIUM HYDROXIDE 50%	P	HYDROCHLORIC ACID 20%	G	XYLENE	G
ETHYLENE GLYCOL	G	HYDROFLUORIC ACID	P	MINERAL OIL	E
TRISODIUM PHOSPHATE	E	NITRIC ACID 10%	G	UREA	G
FORMALDEHYDE 10%	G				

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**

All surfaces should be dry and cleaned of all oil, grease, and dirt. Concrete surfaces must be etched or blasted 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.

Old coatings should be removed by chipping, sandblasting, or grinding.

**New Concrete** – Newly poured concrete must age at least 30 days at temperatures over 70°F 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 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**

**One Gallon (3.8 liter) Units** – Use electric or air mixer (250 to 500 rpm) with metal mixing blade (jiffy Model HS or equal). If aggregate has settled in resin container, it is necessary to mix this material for 1 or 2 minutes.

**Five Gallon (19 liters) Units** – Use same procedure as mixing 1 gallon units except larger blade (Jiffy Model ES or equal) is required.

## **APPLICATION**

Pour freshly stirred material onto deck or floor in a band approximately 18" to 24" wide.

Using a core roller, spread anti-slip evenly by pulling puddle toward applicator.

Press down on roller. Avoid back and forth motion. Watch for thick, thin or uneven spots and immediately pull roller over these imperfect areas. With puddle nearly rolled out, pour additional mixed material over remaining puddle and continue application as above. Nominal applied thickness is 1/32" to 1/16".

Mixing and application process should be coordinated and continuous so wet edge is maintained to provide a uniform anti-slip surface texture and appearance. Mix only enough material for immediate application.

## **PRECAUTIONS**

Wear safety glasses and impervious gloves.

## **FLAMMABLE**

Keep away from heat and open flame.

Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated skin contact. Keep from freezing.