PRODUCT DATA
WEARCOAT SG-3

Coatings For Industry, Inc. • 319 Township Line Road, Souderton, PA 18964 / 215-723-0919

Description
Two-component, catalyzed, nonskid epoxy coating which is available in one grit size.

Colors
Available in gray, yellow, red and black.

Packaging
5 gallon unit containing 5 gal. slack-filled can resin/aggregate and 1 gal bag of hardener nested in the pail.
1 gallon unit containing 1 gal. slack-filled can resin/aggregate and 1 qt. can hardener.

Uses
Wearcoat SG-3 is a nonskid epoxy coating that provides safer footing and better traction for personnel and equipment. Wearcoat SG-3 is recommended for areas where a tough, chemically resistance heavy duty anti-slip is required.

Wearcoat SG-3 offers excellent chemical resistance to acids, alkalies, solvents, fuels etc.

Technical Data

Flash Point:	92°F (33°C) cc
Volume Solids:	62% (mixed)
Theoretical Coverage Rate:	30 to 40 sq.ft/gallon @ 1/32" to 1/16" DFT
Drying Time:	Foot Traffic: 24 hrs. @ 72°F. @ 50% RH Heavy Service: 72 hrs. @ 72°F @ 50% RH Full Cure: 7 days @ 72°F @ 50% RH
Mix ratio:	4:1 resin to hardener by volume
Clean Up:	CFI 711 Thinner, MEK or Lacquer Thinner
Minimum Application Temperature:	55 °F. minimum to 95°F maximum *must be 5 °F above dew point
Continuous Service Temperature	200°F (90°C) Dry Heat Resistance
Pot Life @ 72 °F.	4 hrs.
Induction Time:	None
VOC:	2.8 lbs./gal. (340 grams/liter)
Relative Humidity:	85% Maximum
Coefficient of Friction:	Dry – 1.05 Wet – 1.05 (ASTM F609)
Viscosity:	Slurry consistency
Primer:	Concrete: Wearcoat 1020, Wearcoat 490 Steel: Urethabond 104

Chemical Resistance- 72 Hour spot test.

Ratings: P- POOR, G- GOOD, E- EXCELLENT.

ACETIC ACID up to 12%	G	CHROMIC ACID up to 20%	P
CHROMIC ACID over 20%	P	CITRIC ACID 50%	G
HYDROCHLORIC ACID 20%	E	CALCIUM HYDROXIDE	E
NITRIC ACID 10%	P	PHOSPHORIC ACID DILUTE	G
NITRIC ACID Concentrated	P	SODIUM CHLORIDE	E
SODIUM HYDROXIDE 50%	E	SULFURIC 20%	G
ETHYLENE GLYCOL	E	GASOLINE (REGULAR)	E
ETHYL ETHYL KETONE	P	JP5 JET FUEL	E
XYLENE	G	KEROSENE	E

Surface Preparation

All surfaces should be 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, 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 30 days at temperatures over 70° before coating. Concrete should have a minimum of 3000 psi at the surface when tested with a schmidt hammer.

All efflorescence and laitance should be removed by acid etching, sandblasting, or grinding. Acid etching is usually fastest and easiest, and can be done by using a mixture of 20% muriatic acid.

Proper caution should be exercised, and protective clothing, rubber gloves, and goggles must be worn when working with the acid etching mixture.

The acid should be removed before it dries, by flushing with water until the ph of the concrete is between 6 and 7. The floor must be completely dry.

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).

Application

Concrete should be dry and surface temperature should be at least 55 °F.

Wearcoat SG-3 epoxy is mixed as follows:

If pigmented, mix Part A for 2 to 3 minutes to assure full dispersion of pigment.

Pour Component B (hardener) into Component A (resin). (the resin container has room to allow for hardener and stirring.)

Stir at low speed to prevent air entrapment for 2 to 5 minutes (base mixing time on temperature and viscosity), using an "in-the-bucket" mixer, or jiffy mixer. Thorough mixing is required. 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. (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. **Flammable-Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated skin contact. Keep from freezing**.

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