



PRODUCT DATA

WEARCOAT SG-LP

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

Description

Two-component, low-VOC, waterborne epoxy with moderate grit.

Colors

Available in light gray, safety yellow, tile red, black, and beige.

Packaging

5 gallon kits and 1 gallon kits.

Uses

Wearcoat SG-LP is designed for application in wet areas with heavy pedestrian grade traffic. Ideal for usage in areas with barefoot traffic, such as pools, locker rooms, showers, pleasure boats, docks, walkways and decks.

Technical Data

Flash Point:	>200°F (>93°C) PMCC
Volume Solids:	63%
Theoretical Coverage Rate:	90 sq.ft/gallon (Roller) 120 sq.ft/gallon (Spray)
Drying Time:	Foot Traffic 24 hrs. Heavy Service 72 hrs. Full Cure 7 days
72°F @ 50% RH	
Coefficient of Friction:	Dry – 0.78 Wet – 0.86 (ASTM F609)
Clean Up:	CFI 711 Thinner
Minimum Application Temperature:	50 °F. *must be 5 °F above dew point
Service Temperature	200°F (90°C) Dry Heat Resistance
Pot Life @ 70 °F. & 50% R.H.:	1 hr. @ 72°F (22°C)
Shelf Life:	24 months in closed container stored @ 50° to 90°F
Induction Time:	None
VOC:	0.5 lbs./gal. (60 grams/liter)
Relative Humidity:	85% maximum
Primer:	Concrete: Wearcoat 1020 Steel: Urethabond 104

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).

Steel: All surfaces must be dry, clean and free of all previous coatings, rust and surface contamination. Minimum surface preparation is abrasive blast. Blasted surfaces must be coated within 8 hours. Prior to blast cleaning, remove all deposits of oil or grease using solvent.

Wood: A clean, sound wood surface is required. Remove any oils and dirt from the surface, using degreasing solvent or strong detergent. Follow with sanding to remove loose or deteriorated surface wood and to obtain the proper surface profile.

Previously Painted Surfaces: If the paint is peeling or degrading in any way, it should be completely removed by sanding, blasting or stripping. If previous paint coatings is completely intact, the surface may be cleaned with a strong detergent or solvent and scuff sanded to remove the gloss. A spot test should be made by applying a small amount of coating over old paint. The old finish may wrinkle or lift within 60 minutes. If it does not, wait 5 days and test for adhesion. Do this by cutting an "X" into the coating, place tape over the cut then strip with a hard, fast pull. If the old finish fails, it must be removed or an appropriate barrier coat should be considered.

Application

To mix 1 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. To mix 5 gallon (19 liters) units: Use same procedure as mixing 1 gallon units except larger blade (Jiffy Model ES or equal) is required. We do not recommend using partial kits. Do not scrape or drain pails. Do not thin this material.

Roller: Pour freshly stirred material onto deck or floor in a band approximately 2' long and 6" wide. Using a phenolic roller, roll material in one direction only in slow straight strokes pulling material toward you with a moderate amount of pressure on the handle. Do not over roll too many times or press down too heavily. Be careful that material does not build up too thickly along welds (rolls across welds, not along them). Material applied too thickly may not cure properly. Higher temperatures will shorten drying time and conversely, lower temperatures and high relative humidity will lengthen drying time. Exterior applications must be protected from rain off at least 12 to 24 hours after application depending on humidity. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

Spray: Sprayed applications will result in uniform appearance with good non-slip characteristics. Do not thin. Thinning could result in grit not remaining properly suspended. Specialized mastic type spray equipment is required. A recommended setup is as follows:

- a) A 5 gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator along with a 1" I.D. outlet pipe.
- b) Twenty-five feet of 3/8" air hose with 3/8" female connectors at each end.
- c) Twenty-five feet of 3/4" material hose with 3/4" female connectors at each end.

d) A Binks Model 7E2 spray gun equipped with ¼” fluid nozzle and a ¼” internal air cap or a Binks Model 52-2012 (4 foot) pole gun equipped with same fluid nozzle and air nozzle.

Minimum air supply required is 20 CFM at 90 lbs pressure. Recommended pressure is 15 to 20 PSI on material and 20 to 25 PSI on atomization. Always keep atomization air pressure higher than pot pressure. Keep agitators running slowly. Good coverage and film thickness will be obtained working at 18” or 24” distance from surface. Overlap strokes about 50% Make sure of wet application. Very little abrasive rebound will be noticed at 15 PSI; however, it will be more noticeable at higher pressure. When temperature is above 80°F, it is advisable to flush the spray equipment with water every hour or so in order to prevent the possibility of any material setting up and plugging the equipment.

DO NOT FREEZE

Precautions

Wear safety glasses and impervious gloves. **Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated skin contact. Keep from freezing.**

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