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Product Description Sheet

Big Foot™ Acrylic Pedestrian Grade

Maintenance, Repair & Operations, August 2006

PRODUCT DESCRIPTION

LOCTITE® Big Foot™ Acrylic Pedestrian Grade is a single component elastomeric non-slip floor and deck coating. Designed for pedestrian traffic under typical dry service temperatures of -29° to +60°C (-20° to +140°F).

Advantages:

- Reduces slips and falls.
- Single component, easy to use.
- Resistant to weathering.

TYPICAL APPLICATIONS

Non-slip finish for steel ramps, concrete, walkways, loading docks, marine applications, assembly areas, and stairs where a flexible non-slip coating is required.

DIRECTIONS FOR USE

Surface Preparation:

- For coating concrete, wood, tile, and other porous surfaces please refer to Big Foot Acrylic Primer data sheet.
- For coating metal surfaces please refer to the Big Foot Metal Primer data sheet.

Mixing:

Thoroughly premix contents of resin can, with a mechanical mixer, using a Jiffy® mixing blade, Product No. 96131, scraping material from sides and bottom of the can, until mixed material assumes a uniform color and appearance.

Application:

Big Foot Acrylic Pedestrian Grade can be applied at surface temperatures between 10-54°C (50-130°F). Application is not recommended when surface temperature is above or below these temperatures. Big Foot Acrylic Pedestrian Grade can be applied by roller or spray.

Roller:

Rolled applications provide the most aggressive non-slip characteristics with an irregular, ridged profile.

1. Use a phenolic roller, Product No. 96121. It is important that the rolled profile expose the maximum amount of non-slip aggregate. If aggregate is not properly exposed, the coating may become slippery when wet.
2. Pour a "ribbon" of material on the surface approximately 2' x 6" (60 cm x 15 cm). Roll material toward you with a moderate amount of pressure. Do not over-roll too many times or press down too heavily. Be careful that material does not build up too thickly along welds (roll across welds not along them). Material applied too thickly may not properly cure.
3. Higher temperatures will shorten drying time and lower temperatures and high relative humidity will lengthen drying time. Exterior applications must be protected from rain for at least 12 to 24 hours after application. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days during final cure.

Spray:

Spray applications will result in a uniform appearance with good non-slip characteristics.

1. Big Foot Acrylic Pedestrian Grade should not be thinned. Thinning will result in grit not remaining properly in suspension.
2. Specialized mastic type spray equipment is required. A recommended set-up is as follows:
 - A. A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe.
 - B. 25 feet of 3/8" air hose with 3/8" female connectors at each end.
 - C. 25 feet of 3/4" material hose with 3/4" female connectors at each end.
 - D. A Binks Model 7E2 spray gun equipped with 1/4" (#45) fluid nozzle and a 1/4" internal air cap or a Binks Model 52-2012 (4 foot) pole gun equipped with the same fluid nozzle and air nozzle.
3. 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 agitator running slowly. Good coverage and film thickness will be obtained working at 18" or 24" distance from the 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.
4. 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.

Surface Maintenance:

Maintain a clean surface to ensure that the non-slip safety performance is maximized. We recommend the following cleaning procedure:

1. Apply Loctite Natural Blue Cleaner Degreaser, an all-purpose, biodegradable cleaner/degreaser.
2. Scrub surface with a long-handled, fiber bristled brush or floor machine.
3. Rinse with clean water and dry. Foreign matter, such as chewing gum, should be removed with a scraper or putty knife and, then the surface should be cleaned following above procedure.

Note: Although this non-slip coating is extremely durable, it is not permanent and will require occasional touch up, especially in heavy traffic areas.

PROPERTIES OF UNCURED MATERIAL

Feature	Typical Value
Appearance	Thick Grey Liquid
V.O.C. – volatile organic content, lb./gal	0.34
Volume of solids, %	68
Density, lb./gal	15.2
Coverage	70 ft ² per 1 gallon
	125 ft ² per 1 gallon
Mix Ratio	One Component

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. One or more United States or foreign patents or patent applications may cover this product.

TYPICAL CURING PERFORMANCE

Curing Properties (@ 21°C unless noted)	Typical Value
*Dry time, Light pedestrian traffic, hours	4
Heavy pedestrian traffic, hours	24

* Temperature and thickness of application affect dry time. Temperatures under 10°C (50°F) will result in a substantially longer cure time. Temperatures over 27°C (80°F) will result in a shorter cure time. The thicker the application, the longer the cure time.

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 21°C unless noted)

Physical Properties	Typical Value
Coefficient of friction, ASTM F609, Dry	1.3
, Wet	.9

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Ordering Information

Part Number	Container Size
95591	1 gallon

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Center.