



PPG Anti-Slip Safety Flooring Systems SFT 600

Single Component, Water Based, Pedestrian Grade Anti-Slip

Product Data/ Application Instruction

PPG Anti-Slip Safety Flooring Systems SFT 600 is a water-based flexible acrylic anti-slip floor and deck coating formulated for pedestrian traffic. This anti-slip safety coating is easy to apply, dries quickly and offers optimum adhesion to asphalt, concrete, wood, and metal surfaces.

SFT600 is easy to clean up, economical to use and since it's a one-component product it may be resealed and saved for future use.

Typical Uses

- Platforms
- Ramps
- Walkways

Products

99-60002	Black
99-60003	Tile Red
99-60015	Gray
99-60060	Safety Yellow

Physical Data

Colors	Black, Tile Red, Gray, Safety Yellow	
Finish	Flat	
Anti-slip Profile	Low to Medium	
Package size	1 and 5 gallons	
Components	1	
Curing mechanism	None	
Volume solids	67% (calculated)	
Coats	1	
DFT per coat	mils 10 to 15	microns 250 to 375
Theoretical coverage	ft ² /gal	m ² /L
15 mils (375 microns) rolled	70	1.7
10 mils (250 microns) sprayed	125	3.0
VOC (EPA 24)	lb/gal 0.33	g/L 40
Flash point (SETA)	°F 200	°C 93.3
Coefficient of Friction	Dry 1.3	Wet 0.9

Surface Preparation

Coating performance is proportional to the degree of surface preparation. Refer to the Product Data/Application Instructions for the specific primer being used for surface preparation specifications. Concrete and primed concrete surfaces must be clean and dry and free of contaminants such as dust, dirt, grease, or oil. It is important that a suitable moisture barrier is in place for slabs on-grade. If a moisture barrier is not in place, seasonal variations in ground moisture can cause excessive hydrostatic pressure regardless of results measured prior to coating application.

New/Bare Concrete — Refer to SSPC-SP 13/NACE No. 6 surface preparation of concrete for detailed information regarding surface preparation of concrete. In general, concrete must have sufficient profile to achieve satisfactory adhesion of primer and topcoat. Concrete must be in sound condition and free of all coatings, curing compounds, oil and other contaminants. New concrete must cure a minimum of 28 days prior to application of any coatings. Concrete can be abrasive blasted (ASTM D4259) or mechanically abraded to achieve a profile equal to 60 grit sandpaper or coarser. Moisture vapor transmission should be 3 lbs. or less over a 1000 sq. ft. area during a 24 hour period, measured and confirmed through a calcium chloride test (ASTM F1869). Concrete should have a minimum surface tensile strength of 300 PSI verified by a pull-off adhesion test. Should concrete not meet moisture vapor transmission or tensile strength requirements, contact your local PPG representative for guidance. Consult the following ASTM methods: ASTM-4263 – plastic sheet method for checking moisture in concrete; ASTM 4258 standard practice for cleaning concrete; ASTM 4259 standard practice for abrading concrete; ASTM 4260 standard practice for etching concrete.

Previously Painted Concrete — Old coatings and concrete must be in sound condition. Surfaces must be clean and dry and free of all contaminants such as dust, dirt, grease, or oil. Old coatings must be uniformly abraded to achieve satisfactory adhesion. Apply a test patch to the abraded surface and allow to cure a minimum of one week before testing adhesion. If adhesion is poor, or if the old coatings are peeling, chipping, or are otherwise in poor condition, remove the coatings down to bare concrete and prepare the bare concrete as shown above.

Asphalt surfaces — sweep to remove all dirt and other loose contaminants. Remove oil, grease, dirt, etc. by dissolving with a water-based cleaner/degreaser, then flush thoroughly with clean water and allow drying.

Wood and metal surfaces – contact your PMC specialist for a recommendation.

Application Data

Applied over	Concrete, asphalt, wood, and metal surfaces
Primers*	Self priming over wood, prepared concrete, and prepared asphalt
Recommended Primers:	
Concrete	Amerlock 2/Amerlock 2VOC/ Pitt-Guard Epoxies/Amerlock Sealer
Metal Surfaces	Amerlock 2/Amerlock 2VOC/ Pitt-Guard Epoxies
<i>*When using an epoxy primer, the SFT 600 should be applied within 48 hours of application of the epoxy. For surface temperatures greater than 90°F, the SFT 600 should be applied between 16 and 30 hours after application of the epoxy.</i>	
Surface Preparation	ASTM D4260 or 4259
Method	Roller, trowel, or spray
Mixing ratio (by volume)	none
Environmental conditions	
Temperature surface	°F °C 55 to 120 13 to 49
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation. Relative humidity must not exceed 85%.	
Drying time (hours, @20 mils DFT, 50% RH)	°F/°C 70/21
Foot traffic	8
Heavy traffic	24

Instructions for Use

Thoroughly mix contents preferably with a mechanical mixer such as a drill motor with a Jiffy® mixing blade until mixed material assumes a uniform color and appearance. Make sure all settlement is lifted off the bottom of the container and is uniformly dispersed in the material.

ROLLER

The best anti-slip characteristics are obtained when the product is rolled. Do not thin. Use a smooth napless solvent resistant roller on smooth surfaces. For irregular surfaces use an adhesive/bristle core roller or short nap roller.

1. Pour a “strip” of SFT 600 on the surface approximately 2' long and 6" wide.
2. Roll in one direction only by pulling material toward you in slow straight strokes.

Use a modest amount of downward pressure. 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.

Do not over-roll or press down too heavily. Make sure that coating is even without any thick puddles. If applied too heavily the coating may not cure properly.

Drying time will vary with temperature and humidity. Protect exterior applications from rain for at least 12 to 24 hours. High humidity will retard drying. For full cure, protect application from extended exposure to water, oil and chemicals for 5 to 7 days.

SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics. SFT 600 may be sprayed with spray equipment using a 1/4 inch opening spray tip. Various sprayers is available for grit containing coatings. Consult with your equipment manufacturer.

TROWEL

SFT 600 may be applied with a smooth trowel such as a flexible plasterer's finishing trowel. Use a trowel about 4 by 12 inches.

Pour a “strip” of SFT 600 on the surface approximately 2' long and 6" wide.

Hold the trowel at a 45° angle to the surface and spread with a full motion. Reverse the angle of the trowel for an opposite stroke. Pull the material toward you. To cover corners, etc. pull straight strokes using material on the trowel.

Shipping Data

Packaging units 1 gallon 5 gallon

Shipping weight (approx) 15 lbs 75 lbs

Shelf life when stored indoors at 40 to 100°F (4 to 38°C) 1 year from shipment date

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of both components. Safety precautions must be strictly followed during storage, handling, and use. **This product is for professional use only. Not for residential use.**

Warranty

PPG warrants only its title to the products, and that the products will be set forth in the warranty statement, if any, on the products labeling or in the absence of any such warranty statement that the products will conform to PPG's applicable published specifications. PPG's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PPG of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

PPG makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

Any recommendation or suggestion relating to the use of the products made by PPG, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Due to PPG's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the PPG Protective & Marine Coatings website at www.ppgpmc.com

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products, or part thereof which give rise to the claim. In no event shall PPG be liable for consequential or incidental damages.



**PPG Protective &
Marine Coatings**
www.ppgpmc.com

One PPG Place, Pittsburgh, PA 15272 • Tel: (800) 441-9695