



PPG Anti-Slip Safety Flooring Systems SFT 610

Water Based Epoxy, Low Profile Anti-Slip

Product Data/ Application Instruction

PPG Anti-Slip Safety Flooring Systems 610 is a two component low profile non-slip floor and deck coating formulated with a fine texture finish that is a durable, easy to clean and chemically resistant.

SFT 610 is suitable for recreational, marine and industrial environments. Its low profile is easy to apply and adheres to concrete, metal, and wood surfaces. It is fire retardant when dry and has excellent chemical resistance to oil, gasoline, acids, caustics, hydraulic fluids and most solvents.

Typical Uses

- Decks
- Garages
- Entrances
- Hospitals
- Marinas
- Schools

Products

99-61002	Black
99-61003	Tile Red
99-61004	Sandstone
99-61015	Gray
99-61060	Safety Yellow
99-61033	Cure

Physical Data

Colors	Black, Tile Red, Sandstone, Gray, Safety Yellow	
Finish	Flat	
Anti-slip Profile	Low	
Package size	1 gallon	
Components	2	
Curing mechanism	Chemical reaction between components	
Volume solids	62% (calculated)	
Coats	1	
DFT per coat	mils	microns
	8 to 12	250 to 375
Theoretical coverage	ft ² /gal	m ² /L
15 mils (375 microns) rolled	90	2.2
10 mils (250 microns) sprayed	120	2.9
VOC (EPA 24)	lb/gal	g/L
	0.5	60

Flash point (SETA)	°F	°C
	212	100
Coefficient of Friction	Dry	Wet
	0.88	0.85

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.

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

Application Data

Applied over	Concrete, metal and wood surfaces
Primers*	Self Priming over concrete and wood
Concrete	Amerlock 2, Amerlock Sealer - add Amerlock 2VOC, Pitt-Guard
Metal Surfaces	Amerlock 2 or Amerlock 2VOC, Pitt-Guard

*When using an epoxy primer, the SFT 610 should be applied within 48 hours of application of the epoxy. For surface temperatures greater than 90°F, the SFT 610 should be applied between 16 and 30 hours after application of the epoxy.

Surface Preparation	ASTM D4260 or 4259
Method	Roller or spray
Mixing ratio (by volume)	4 to 1 (Mix full kit)
Environmental conditions	
Temperature surface	°F 50 to 120 °C 10 to 49
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation. Relative humidity must not exceed 85%.	
Pot Life	45 minutes at 70°F
Drying time (hours, @20 mils DFT, 50% RH)	
	°F/°C
	70/21
Foot traffic	24
Heavy traffic	72
Clean-up Solvent	Amercoat 12 Cleaner

Instructions for Use

Mixing should be done with a mechanical mixer such as a pneumatic drill motor with a Jiffy mixing blade. Pre-mix the base component for several minutes making sure all material is lifted off the bottom and uniformly mixed. Pour entire contents of hardener can into base material. Mix thoroughly as above for 3-5 minutes until contents are a uniform color.

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 even surfaces. On irregular surfaces use a bristle core roller or short nap roller.

1. Pour a "strip" of SFT 610 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 24 hours. 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 610 may be sprayed with spray equipment using a 1/4 inch opening spray tip. To adjust spraying material may be thinned with 1 to 3 pints of water as needed to adjust spray. Caution, excessive thinning could result in grit not remaining properly in suspension. Various sprayers are available for grit containing coatings such as mastic type spray equipment. Consult with your equipment manufacturer. An example set-up is as follows:

A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe. 25 feet of 3/8" air hose with 3/8" female connectors at each end. 25 feet of 3/4" material hose with 3/4" female connectors at each end. 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. Minimum air supply required is 20 CFM at 90 lbs. pressure. Recommended pressure is 15-20 psi on material and 20-25 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 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 pressures.

Surface Maintenance

SFT 610 should be kept clean to ensure that its non-slip safety aspect is maintained. Clean with an all-purpose cleaner/degreaser. Scrub the anti-slip surface with a thick bristled brush or floor machine. Rinse with clean water and let dry. SFT 610 is extremely durable; however, frequently traveled areas may require occasional touch up.

Shipping Data

Packaging units	1 gallon
Shipping weight (approx)	12 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.

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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

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