

RUST-OLEUM®

5600 SYSTEM ACRYLIC URETHANE FLOOR PAINT

DESCRIPTION AND USES

The 5600 System Acrylic Urethane Floor Paint is a single component, urethane modified acrylic coating designed for use on concrete floors. It is suitable for areas with heavy foot traffic and lightweight rubber-wheeled handcarts. It can also be used on exterior concrete surfaces like concrete decks, walkways, curbs, and parking areas. This fast-dry, water-based coating requires only minimal surface preparation, offers low odor application, and soap and water cleanup.

PRODUCTS

1-gallon	5-gallon	Description
251286	—	Safety Yellow
251289	—	White
251291	251293	Silver Gray
261115	—	Safety Red
261116	—	Safety Orange
261117	—	Safety Blue
261118	—	Safety Green

APPEARANCE

Satin finish.

PRODUCT APPLICATION

SURFACE PREPARATION

New concrete should be allowed to cure for 30 days before application of any coating. If there is any doubt about the dryness of the concrete, conduct a test by simply taping a piece of 4 mil plastic sheet 18" by 18" on the bare concrete for 24 hours. Be sure to tape all four sides. After 24 hours, check the concrete for signs of moisture. The concrete will be darker if damp. If moisture is found, allow additional drying time (10-14 days) and repeat test. If repeated tests continue to indicate the presence of moisture, contact Rust-Oleum Technical Service for assistance. Check for curing compound or other types of sealers by pouring a small amount of water onto the concrete. If water soaks in, the surface is suitable for coating. If water beads up on the concrete, the surface is not porous and a test application is warranted to ensure proper adhesion will develop. Sanding or mechanical abrading may be required if proper adhesion does not develop. Contact Rust-Oleum Technical Service for detailed information.

Remove all grease, oil, dirt, and other contaminants by cleaning with 3599 Industrial Pure Strength® Cleaner/Degreaser, detergent, or other suitable cleaner and rinse with fresh water. This is best accomplished using a standard floor scrubber/polisher with a heavy duty stripping pad (such as 3M 7300 or similar). A thorough rinse must be done if the concrete has been acid stained or if the concrete had been acid etched.

The floor should be dry and dust free prior to application. Vacuum to remove fine dust and debris.

Previously coated floors need to be in good sound condition with proper adhesion to the concrete substrate. Check the adhesion of the previous coating by cutting a small X in the coating using a sharp razor knife, firmly apply a piece of 2" duct tape over the center of the X cut, then pull off with a fast snap. The coating is suitable to topcoat if no significant previous coating is removed beyond the X cut. If the coating fails this test, then additional surface preparation is required. Contact Rust-Oleum Technical Service for assistance.



TECHNICAL DATA

5600 SYSTEM ACRYLIC URETHANE FLOOR PAINT

PRODUCT APPLICATION (cont.)

APPLICATION

Apply only when air, surface, and material temperatures are between 50-90°F (10-32°C), surface is at least 5°F above the dew point and relative humidity is below 85% during and after application. Apply by roller using a good quality 3/8" synthetic nap cover. Avoid applying excessive material. Do not allow the coating to puddle. The coating should be applied within the published coverage rate of 170-270 sq. ft. per gallon. On new or uncoated concrete, two coats of product should be applied. Do not thin. Allow coated floor to cure 7 days before mopping or washing. Use Rust-Oleum 200 Anti-Skid Floor Coating Additive for skid resistance where oil or water spillage is a problem.

CLEAN-UP

Soap and water. Once coating begins to cure, 160 Thinner or MEK may be required.

PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS

METHOD: ASTM D3363

RESULT: 2B (7 days),

SWARD HARDNESS

METHOD: ASTM D2134-93

RESULT: 14

TABER ABRASION

METHOD: ASTM D4060 CS-10 wheel, 500 g load, 500 cycles

RESULT: 52.6 mg loss

GLOSS (60°)

METHOD: ASTM D523

RESULT: 20-25%

SCRUB RESISTANCE

METHOD: ASTM D4213-96

RESULT: 150 cycles



TECHNICAL DATA

5600 SYSTEM ACRYLIC URETHANE FLOOR PAINT

PHYSICAL PROPERTIES

Resin Type		Urethane modified acrylic
Solvents		Water, propylene glycol
Pigment Type		Varies with color
Weight	Per Gallon	8.7-10.5 lbs.
	Per Liter	1.0-1.3 kg
Solids	By Weight	28-44%
	By Volume	25-30%
Volatile Organic Compounds		<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.0 mils (37.5-50μ)
Wet Film to Achieve DFT		5.0-8.0 mils (125-200μ)
Theoretical Coverage at 1 mil DFT (25μ)		400-480 sq. ft./gal. (9.8-11.8 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		170-270 sq.ft./gal. (4.2-6.6 m ² /l)
Dry Times at 70°F (21°C) and 50% Relative Humidity	Tack-free	1-2 hours
	Recoat	4-6 hours
	Light Foot Traffic	24 hours
	Full Use	72 hours*
Shelf Life		2 years
Safety Information	Contains	No lead has been deliberately added.
	Warning!	FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN REFER TO MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL FOR ADDITIONAL SAFETY INFORMATION.

*Allow one week cure before washing.

Calculated values are shown and may vary slightly from the actual manufactured material.

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