



SPECIALTY COATINGS, INC

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SPGX KIT INSTRUCTIONS

PRODUCT DESCRIPTION: ARMSPGX is a Single Component roll-on, UV-stable, crosslinked Polyurea coating with a high gloss finish. SPGX is a Single component Polyurea utilizing Polyaspartic, Urethane and Polyurea technologies to create a coating that provides a durable, chemical, impact and abrasion resistant surface for a variety of applications.

SURFACE PREPARATION FOR CONCRETE

Reference SSPC-SP13 / NACE #6, ASTM D 4259, ASTM D

4260. Surfaces must be clean, sound, dry, and free of oils, grease and other bond inhibiting contamination. Failure to properly prepare the surface could result in the product delaminating from the surface. Previously coated surfaces should be lightly sanded or abraded to assure secure mechanical bond. All contamination, form-release agents, efflorescence, curing compounds, shall be removed. Minimum profile range must be achieved to insure good mechanical bonding. Power troweled or burnished floors must be grinded for proper adhesion. Acid Etching is recommended for bare concrete surfaces and the Acid Etch is provided in your SPGX kit.

CURING

At 75°F (24°C) and 50% relative humidity dries to touch in 6-8 hours. Depending on temperature and humidity Full cure 24 hours.

COVERAGE RATES (Per Gallon) 300- 400 sq ft. per gallon depending on surface texture and porosity. Subject to substrate conditions and application method

PRECAUTIONS

Moisture vapor emission in the concrete (MVE) to be less than 3-pounds per 1000 sq. ft. for 24-hour period. Calcium Chloride test ASTM F1869-98 recommended. Older concrete exposed to the elements is susceptible to greater contamination and should be evaluated thoroughly prior to any application. Should not be applied in direct sunlight or on elevated surface temperatures. Clear coating may turn opaque or cloudy in exterior application due to moisture penetration.

APPLICATION STEPS

- 1. Properly prepare the surface prior to coating per the surface prep recommendations above.**
- 2. MIX ONE GALLON SPGX WITH ONE COLOR TINT PACK IN THE EMPTY 5 GALLON PAIL. USE WOODEN MIXING STICK PROVIDED AND STIR BY HAND UNTIL SPGX AND TINT PACK HAVE BEEN THOROUGHLY COMBINED. IF YOU HAVE THE LARGER 600 SQ. FT. KIT YOU WILL NEED TO REPEAT THIS STEP WITH A SECOND GALLON AND TINT PACK.**
- 3. Apply the SPGX to the floor using the roller provided. Should be applied at 5-8 mils or 300 to 400 sq ft. per gallon. Thicker applications will increase the cure times. Keep product cool and out of direct sunlight to avoid pre-hardening. Keep lid on when not in use.**
- 4. While the SPGX IS STILL WET after coating the floor get a plastic bucket or container that will hold enough flecks that you are comfortable carrying. Hint.....separate the flecks into quarters so that you use 1/4 of your flecks on 1/4 quarter of the floor. This step prevents over flecking and running out of flecks.**
- 5. If you have a medium broadcast kit hand toss the flakes evenly onto the floor while the SPGX is still wet making sure to leave enough flakes to cover the whole floor with a medium broadcast.**
- 6. If you have a full broadcast kit hand toss out the flecks evenly so that the flecks cover the epoxy and you can't see the coating. It is Ok if the flecks overlap. Fill up your fleck container as needed and don't overfleck use just enough to cover the floor.**
- 7. Wait a minimum of six hours or overnight.**
- 8. Important step (for full broadcast kits only). First, sweep up all excess flecks. Now use a flat blade floor scraper or sharp shovel sold at home centers to scrape the floor well. The reason for this step is that the flecks overlap and the corners/overlap edges can become sharp and pointy if not scraped well, and the floor will be hard to keep clean, and not comfortable to walk on without shoes if it is too rough from the overlapped flecks. Vacuum well the entire floor getting up any loose flecks and scraping pieces.**

9. **Topcoating:** If you have the Medium Broadcast Kit your floor gets a single coat of clear SPGX. Add in the non skid additive one pack per gallon, and roll onto the floor. Continually mix the topcoat to keep the nonskid particle suspended. If you have the Full Broadcast Kit roll on the first coat of topcoat without the non skid additive.
10. For the full broadcast kit wait minimum 6 hours or overnight and apply a second coat of SPGX clear to the floor, but into this final coat add in the non skid additive one pack per gallon. Continually mix the topcoat to keep the nonskid particle suspended.
11. Wait overnight to allow to cure for foot traffic or two days for auto traffic.