



SL-P60 (Clear)

Advanced Formulation 7-2019

Product Information

Category: Sealer 2004 Series

1-gal kit Gloss or Satin

GLOSS -- 1:1 1/2 gallon Part-A to 1/2 gallon Part-B

SATIN -- 2:1 2/3 gallon Part-A to 1/3 gallon Part-B

Description and Use:

High solids, high performance low VOC aliphatic polyester polyurethane that provides high chemical and wear resistance not found in standard polyurethanes. SL-P60 complies with California's VOC regulations and used nationally and internationally.

SL-P60 is perfect for interior and exterior flooring applications this product has excellent gloss retention and high UV resistance. Its high abrasion and scratch resistance accompanied with high chemical resistance make it a perfect choice for commercial-industrial and residential applications.

SL-P60 is also used as a sealer on a variety of substrates including concrete, stained concrete, masonry, overlays, and epoxy floor coatings. Examples include industrial floors, commercial garage floors, automotive service areas, decorative concrete floors, and meets federal requirements for food processing facilities and restaurant floors.

It is an ideal final coating for projects that require a gloss retention, ease of cleaning, high wear resistance and a high chemical resistance.

This engineered product used in the following Granicrete Systems:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Alternative Floor Overlays | <input checked="" type="checkbox"/> 3D |
| <input checked="" type="checkbox"/> Interior | <input checked="" type="checkbox"/> Epoxy Flooring |
| <input checked="" type="checkbox"/> Exterior | <input checked="" type="checkbox"/> Showers |
| <input checked="" type="checkbox"/> Countertops | <input checked="" type="checkbox"/> Outdoor Islands |

Its significant characteristics include:

- ✓ High Wear and Chemical Resistance
- ✓ Great UV resistance
- ✓ Meets California's VOC requirements < 100 g/l

Finish:

High Gloss or Satin Finish

Coverage:

300-400 sq. ft. per kit over rough/porous surfaces

Packaging:

1-gallon kits: Gloss (1/2 gallon Part A to 1/2 gallon Part B)
Satin (2/3 gallon Part A to 1/3 gallon Part B)

Inspection:

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be porous and can absorb water. A minimum of 28 days cured is required on all concrete and feel like 30-grit sandpaper. Relative humidity in the concrete floor slab should be below 80% (per ASTM F-2170).

Before starting flooring work, test existing concrete slab to make sure there is no efflorescence or high levels of alkalinity. Alkalinity refers to a high pH reading which means the floor is not neutral. A high alkaline environment can cause salts to creep up through the cement called efflorescence. These salts tend to prevent or destroy the bonding of coatings to the concrete. The most common form of testing is the use of a wide-range pH paper or tape. Make sure the floors pH reading ranges between 5-9 to ensure adhesion. The testing of concrete for alkalinity can show the amount of alkalinity only at the time the test is ran and cannot be used to predict long-term conditions.

Calcium chloride tests should be conducted to determine if the concrete is sufficiently dry for an epoxy flooring installation. The calcium chloride tests should be conducted in accordance with the latest edition of ASTM F 1869, Standard Test Method for Measuring Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. When running a calcium chloride test, it is important to remove any grease, oil, curing agents, etc. so accurate readings can be obtained.

Failing to adhere to these strict guidelines can result in product delamination, discoloration, blistering, or all together failure of the coating system. Testing is the responsibility of the installer as Granicrete bears no responsibility for failures due to any of the above conditions.

Surface Preparation:

Concrete surfaces shall be bead blasted or diamond grinded to remove all surface contaminants and laitance. The concrete should be at least 2500 psi and have an ICRI concrete surface profile within 3-5. After initial preparation has occurred, inspect the concrete for imperfections and treat as necessary.

All expansion joints should be honored. Cracks should be chased with a diamond crack chaser (approximately 1/4" x 1/4"), swept or blown clean.

Mixing:

Premix parts A and B before mixing together

Mix together for 3 to 4 minutes with a slow speed drill mixer. Be sure to scrape sides and bottom during mixing.

SL-P60 has a 1-hour pot life at 77°F and low humidity.

Thinning:

When used as a sealer over exterior concrete, SL-P60 Gloss may be thinned with up to 25% acetone. Keep material thin while rolling out. *If sealing interior concrete, use WB-P53.*

Should a satin finish be desired over unprimed concrete, Granicrete recommends the satin finish should be applied as a 2nd coat. Satin can be used directly over primed or epoxied surface.

Application:

Coating over epoxy: SL-P60 material may be sprayed, rolled or brushed within 24 hours after the epoxy is applied. Immediately after mixing, spread a strip of the batch onto the surface along the edges where it will be cut in using a brush. Pour the remaining material near the cut in area and spread evenly using a 3/8" non-shed, solvent resistant roller cover. Apply quickly and do not over roll, as product will begin to "tack-up" as the air begins to cure it.

Re-coat if needed within 24 hours of application to insure adhesion. If a delay occurs, it is recommended that the surface be lightly sanded and wiped with acetone just before reapplication.

Drying Time:

You may re-coat as soon as the surface is dry to touch (approximately 7 hours). If the 24-hour re-coat period has passed, then the surface must be de glossed with a black janitorial pad or fine sanding screen to ensure a good bond. Cooler temperatures and higher humidity will increase drying time.

Light foot traffic may be permitted in 24 hours, moving furniture back in 72 hours, and heavy-traffic in 7 days.

All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures and higher humidity will increase drying time.

Handling Precautions:

Refer to SDS before using.

Limitations:

- Do not apply in temperatures below 50°F or above 90°F.
- Do not apply unless temperature is 5° above the dew point or if rain is expected within 24 hours.
- Do not apply on damp or moist surface as it will whiten and may cause delamination.
- Do not allow to freeze.
- Shelf Life of this material is 12 months from batch date.
- Please become familiar with local Air Quality laws and regulations prior to applying this coating.

Clean Up:

Acetone will help remove un-cured material off tools, but once it is cured it will need to be removed mechanically.

Technical Data:

Dry Film Thickness per Coat: ASTM D-3363	3-5 mils
Tear Resistance ASTM D-1004-66	270 pli
Tensile Strength ASTM D-412	3980 psi
Ultimate Elongation ASTM D-412	6%
Gloss (60 deg) ASTM D-823	90%
Satin (60 deg) ASTM D-823	35%
Volume Solids ASTM D-2697	62% by volume (before dilution)
VOC ASTM D 2369-81	< 100 g/l
Pot Life(75F)	60 minutes
Recoat Time	7 hrs (min) -24 hrs (max)
Taber Abrasion ASTM D-4060-84	42.7 mg Loss, C17 Wheel, 1000g Load, 1000 Cycles
Impact Resistance ASTM D-2794-84 Inch-pounds	Direct 160 Reverse 160
Pencil Hardness ASTM D-3363-84	3-H
Viscosity at 75 F (24 C) 50% RH B-SIDE	210 cps

	A-SIDE	1170 cps
Flash Point B-SIDE		<100 F
A-SIDE		<100 F
MEK Resistance		No effect after 100 rubs

Chemical and Solvent Resistance (4 Hour Spot Test, Covered)

Skydrol B-4	No Effect
Hydraulic Fluid #83282	No Effect
25% Nitric Acid	Blistered
37% Hydrochloric Acid	Lifted Film
50% Sulfuric Acid	Stain
50% Sodium Hydroxide	No Effect
10% Acetic Acid	No Effect
MEK	Slight Swelling
Xylene	No Effect

40 Day Test Covered

Skydrol B-4	No Effect
Hydraulic Fluid #83282	No Effect

Wear Personal Protective Equipment
Read SDS before using this product

DOT/Flash Point – Flammable Liquid Classification, regulated

Manufacturer/Distributor Warranty: As neither the manufacturer nor the distributor has control over the actual installation of this product, the manufacturer and distributor disclaim any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer and distributor recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer and distributor. Manufacturer and distributor disclaim any liability incurred in connection with the use of this product or information contained herein.