



DESCRIPTION

SILSPEC® P-606 SL is a two-component, 100% solids, moisture-tolerant, semi-rigid, flexible, self-leveling epoxy joint filler, crack sealer, and loop sealant. It meets the current FAA Specification Item P-606 as Adhesive Compounds, Two-Component for Sealing Wire and Lights for airport runway and taxiway lighting in both asphalt and concrete pavement and filling the annular space around lightcans. SILSPEC® P-606 SL also meets the requirements for the Build American, Buy America (BABA) of the Infrastructure Investment and Jobs Act (IIJA).



USE

- Embedding wire and lightcans in concrete or asphalt pavements
- Filling and sealing prepared horizontal saw-cut control joints, cracks in concrete, and as a wire loop sealant

ADVANTAGES

- May be used on damp or dry surfaces
- Pourable consistency
- Made in America
- Convenient 1:1 mix ratio by volume
- Available in gray or black

PACKAGING

- 1 Gallon Units
- 2 Gallon Units
- 10 Gallon Units
- 110 Gallon Units
- 500 Gallon Units
- 600 ml Side-By-Side Cartridge Sets
- 1500 ml Side-By-Side Cartridge Sets

COVERAGE

- 1 gallon yields 231 cu. in.

Shelf Life	2 years in original unopened container	
Storage Conditions	40°F – 95°F (5°C – 35°C)	
Condition Material to	65°F – 85°F (18°C – 29°C) before using	
Mix Ratio	1:1 by volume	
Consistency	Self-leveling	
Gel Time (60g Mass)	20 minutes	
Tack Free Time (73°F or 23°C)	Less than 3 hours	
Tensile Strength (ASTM D638)	1,300 psi	
Tensile Elongation (ASTM D638)	100%	
Adhesion to Concrete (FAA P-606)	300 psi (100% substrate failure)	
Adhesion to Steel (FAA P-606)	1,200 psi	
Coefficient of Cubic Expansion	0.0010 cm ³ /cm ³ /°C	
Coefficient of Linear Expansion (ASTM D1168)	0.000035 cm/cm/°C	
Dielectric Strength, Short Time Test (ASTM D149)	450 volts/mil	
Arc Resistance (ASTM D495)	150 seconds	
Hardness (ASTM D2240)	Shore A	80 – 90
	Shore D	55 – 65



APPLICATION

SURFACE PREPARATION: Surface must be clean and sound. Surface must be free of standing water. Remove curing compounds, laitance, grease, rubber and any foreign matter or unsound surface.

PRECAUTIONS: Silspec® P-606 SL is a two-component polymer system. The two components are a 1:1 mix ratio by volume. Read safety data information before handling or mixing the materials. Workers should wear safety glasses, rubber gloves, and protective garments when handling and mixing the bulk materials.

MIXING: Pre-mix each component thoroughly. Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400 – 600 rpm). Scrape the sides and bottom of the container. For large projects a two-component pump may be utilized for greater production and lower cost.

PLACEMENT: Use a bulk caulking gun or pour directly into the joints. Fill the joints according to specifications or plan documents. If the joints are overfilled, once the sealant is tack-free, trim the excess P-606 SL with a razor scraper. Warming the cured P-606 SL with a heat gun can facilitate trimming. Pot life of the Silspec® P-606 SL will be shorter when the temperature is higher than 75°F. At colder temperatures, the material should be pre-warmed to (minimum) 75° – 100°F before bringing to the work area and applying.

LIMITATIONS

Minimum substrate temperature is 45°F (7°C). Do not thin. Solvents will prevent proper cure. Material is a vapor barrier after cure.

CLEAN UP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with an approved solvent. Cured material can only be removed mechanically.

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