

Pecora 310 SL

Specification Data Sheet

Self Leveling Silicone Parking Deck Sealant



BASIC USES

Sealing of typical traffic-bearing concrete, metal and asphalt parking deck / garage control joints.

2. MANUFACTURER

Pecora Corporation
165 Wambold Road
Harleysville, PA 19438
Phone: 215-723-6051
800-523-6688
Fax: 215-721-0286
Website: www.pecora.com

3. PRODUCT DESCRIPTION

Pecora 310 SL Silicone Parking Deck Sealant is a one part, ultra low modulus elastomer designed for sealing joints in parking decks/garages. It has excellent adhesion to most concrete, metal and asphalt substrates. Demonstrates superior weather resistance and remains flexible at extremely low temperatures.

Pecora 310 SL Silicone Parking Deck Sealant is a self leveling product designed for applications on flat surfaces.

Advantages:

- Reduces pavement deterioration by preventing surface water penetration into underlying base and sub base layers.
- Convenient one component, neutral-moisture curing system.
- Ultra low modulus resulting in high movement capability.
- Ease of application with standard automated bulk dispensing equipment such as Graco or Pyles.
- VOC compliant.
- Primerless adhesion to most concrete, metal and asphalt.
- Aids in elimination of non-compressibles entering expansion joints.

Limitations:

Contact Technical Services when using Pecora sealants in combination with

penetrating repellents, curing compounds or surface coatings.

Pecora 310 SL Silicone Pavement Sealant should not be used:

- for continuous water immersion conditions.
- when ambient temperatures during application are below 40°F (4°C)
- flush with traffic surface. **(Sealant should always be recessed below surface.)**
- for applications requiring support of hydrostatic pressures.
- with solvents for dilution purposes.

- with concrete that is cured less than seven (7) days.
- with newly applied asphalt until cooled to ambient temperature (usually 24-48 hours).
- as a structural component or in longitudinal joints greater than 3/4" in width that are intended to be used as a constant traffic surface.

PACKAGING

- Quart cartridges (30 fluid ounces)
- 5 gallon pails (4.5 gallons)
- 55 gallon drums (50 gallons)

COLOR

- Limestone

SEALANT COVERAGE CHART RECESS GUIDELINES

Joint Width (inches)	Sealant Depth (inches)	Recess (inches)	Backer Rod Diameter (in)	Minimum Joint Depth (in)	Linear ft./gal
1/4	1/4	1/8	3/8	3/4	308
3/8	1/4	1/8	1/2	7/8	205
1/2	1/4	1/8	5/8	1-1/4	154
3/4	3/8	1/4	7/8	1-1/4	68
1.0	1/2	1/4	1-1/4	2	38

TABLE 1: TYPICAL UNCURED PROPERTIES

Test Property	Value	Test Procedure
Extrusion Rate (mins)	275-550	Mil-S-8802
Rheological Properties	Self leveling	
Tack Free Time (mins)	60	ASTM C679
VOC Content (g/L)	<30	ASTM D3960

TABLE 2: TYPICAL CURED PROPERTIES (After 7 days cure at 77°F (25°C), 50% RH)

Test Property	Value	Test Procedure
Cure Through (days)	7	0.5" cross section
Adhesion @ 600% Elong. (psi)		ASTM D5329*
Asphalt	24	
Concrete	24	
Metal	24	
Elongation (%)	>1400	ASTM D412
Resilience (%)	>95	ASTM D5329
Stress @ 150% Elongation (psi)	14	ASTM D412
Hardness		ASTM C661
21 day cure (Shore 00)	85	Pecora Corporation
21 day cure (Shore A)	20	
Joint Movement Capability +100/-50%; 10 cycles	Pass	ASTM C719

*modified section 14

4. TECHNICAL DATA

Applicable Standards: Complies with TT-S-00230C, TT-S-001543, ASTM C920, Class 100, Type S, Grade SL, Use T2, M, O, ASTM D-5893-96

Joint Design: Sealant depth should be 1/4"-1/2" and joint width should be 1/4"-1". Ideally, the ratio of joint width to sealant depth should be 2:1, when appropriate. For joint widths greater than 1", consult Pecora Technical Services department.

5. INSTALLATION

Surface Preparation: New or old concrete surface must be dry and free of dust, laitance, grease, oils, curing compounds, water repellents, waxes, foreign particles, and disintegrated substrate. This is best achieved by sandblasting. Restoration work requires saw cutting and/or sandblasting, followed by blowing out with compressed air (moisture and oil-free). Joint area should be free of all dust and foreign debris before back-up material is installed.

Pecora recommends adhesion testing with appropriate primers for proper performance and warranty requirements. Recommended primer for concrete is P-225.

Joint Backing: Backer rod should be used to control the sealant depth and cushion it from impact. Closed cell polyethylene is recommended. Use a size that will compress 25% when inserted into the joint. Semi-Rigid backing material such as EPS board is recommended for areas subjected to pedestrian traffic. For areas subjected to heavy pedestrian traffic use Pecora Dynatred® or Dynaflex™ traffic grade sealants.

Application: Ideal surface temperature is 60°F - 85°F (16°C - 29°C). Sealant should be applied to the prepared joint in a continuous operation. **Sealant should always be recessed below the traffic surface.** (See Figure 1).

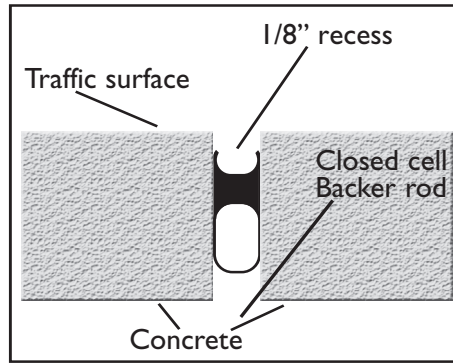


Figure 1

Initial Skin: Approximately 60 minutes at 77°F (25°C), 50% R.H. Higher temperatures and/or humidity will shorten this time period.

Cleaning: Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. For equipment cleanup, also use mineral spirits. Consult manufacturer's MSDS for handling and safety precautions.

Shelf Life: Approximately one (1) year when stored in original, unopened container in a dry area at temperatures below 80°F (27°C).

Precautions: Use with adequate ventilation or wear an appropriate NIOSH-approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Material Safety Data Sheet (MSDS) for more information.

**FOR PROFESSIONAL USE ONLY
KEEP OUT OF THE REACH
OF CHILDREN.**

6. AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

7. WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials or refund the purchase price of any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made at our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

8. MAINTENANCE

Once sealant is in place and cured, it is basically maintenance free. If damage to sealant occurs, cut out the effected area, clean with vacuum or compressed air and recaulk.

9. TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688 or 215-723-6051.

10. FILING SYSTEMS

- <http://www.4specs.com>
- 07 10 00 Waterproofing
- 07 92 00 Joint Sealants



PEOPLE • PRODUCTS • PERFORMANCE

www.pecora.com