

DuraSil SL

Self-Leveling Silicone Sealant



Technical Data Sheet

Neutral Cure Silicone

CSI Section No. 07 14 16

CHEM LINK

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Product Description

DuraSil SL is an oxime (neutral) cure silicone sealant designed for use in pitch pans and warranted **E-Curb** penetration seals. **DuraSil SL** is suitable for hot pipe applications up to 400°F (204°C). **DuraSil SL's** low durometer and resilient "elastomeric" properties accommodate greater movement in penetration seals than typical urethane sealants. **DuraSil SL** is solvent free, contains no isocyanates and will not shrink upon curing. **DuraSil SL** can be used effectively in wet or dry climate conditions and at low temperatures down to 32°F (0°C).



Cure Time

Rate of cure is dependent on atmospheric conditions. Curing proceeds at a rate of 1/4" a week at 70°F (22°C) and 50% Relative Humidity. Lower temperature and humidity will inhibit the rate of cure. Higher temperature and humidity will accelerate rate of cure. Depths of more than 2" will cure through in 2 to 3 months.

Regulatory Compliance

- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- This product does not contain cancer causing chemicals listed in California Proposition 65.
- Conforms to USDA Requirements for Non-food Contact

Advantages

- Neutral cure will not promote corrosion of metal
- Solvent free, 100% solids will not shrink
- No outgassing on damp surfaces
- Good color stability, will not suntan
- Self leveling, no special tools or mixing required
- Application at temperatures as low as 32°F (0°C)
- Extended warranties available

Colors

Gray

* Color matching is available in batch quantity only

Green Standards:

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 32 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)

Packaging

- 2 Liter Pouch
4 pouch/field pack, 48 field packs/pallet
- 2 and 5 gallon pails or 50 gallon drums
available by special order



Application Instructions

Remove all previously applied caulk, mastic, cement, asphalt and other contaminants from penetrations with a wire brush. Brush away all gravel or loose granules.

Seal the base of each penetration with **DuraSil**. Coat penetrations with **DuraSil** one inch above the top of the **E-Curb/pitch pan**.

Remove the cap from the pouch, pour into curb. If there is remaining sealant, squeeze out excess air and reseal.

NOTE: It is recommended to fill the ENTIRE **E-Curb/pitch pan** with **DuraSil SL** and maintain a one inch distance between the penetration and inside edge of the **E-Curb/pitch pan** to provide an adequate rubber seal.

DO NOT USE petroleum based solvents such as mineral spirits or xylene for cleaning purposes. Maintain **DuraSil SL** at room temperature before applying to ensure easy leveling. Test and evaluate to ensure adequate adhesion. Dry all visible and standing water prior to applying **DuraSil SL**.

Clean-Up

Wet adhesive can be removed using a solvent such as alcohol. Cured **DuraSil SL** can be removed by abrading or scraping the substrate.

Storage

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **DuraSil SL** will not freeze.

Shelf Life

Twelve months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life.

Pails have a shelf life of six months.

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.chemlink.com for the Safety Data Sheet, Technical Data Guides and full warranty for this product.

LIMITED WARRANTY: **CHEM LINK** warrants this product's performance, provided it is properly stored and applied within 1 year. If this **CHEM LINK** material is proved to be defective, return remaining product and purchase receipt for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects or failure of this product. User must read and follow the direction of the current Technical Data Guide and SDS prior to product use. User determines suitability of product for intended use and assumes all risks. Manufacturer shall not be liable for damages (including consequential or incidental damages) in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; except for the above express warranty given by manufacturer, the product is sold with all faults. **CHEM LINK** SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. This warranty gives you specific legal rights, and you may also have other rights in the U.S. which vary from state to state. For warranty claim information, call 800-826-1681.

Typical Properties		
Viscosity	100,000 cp +/- 20,000 cp	Brookfield RVF TF Spindle, 4RPM, 73°F (23°C)
Density	8.27 +/- 0.2 lbs per gallon	D1475
Tensile Strength	100 psi	ASTM D412
Shore 00 Hardness	40	ASTM C661
Density	8.3 lbs +/- 0.2 lbs per gallon	ASTM D1475
Elongation at Break	650%	ASTM D412
Service Temperature	-80°F to 400°F (-62°C to 204°C)	

Limitations

- Do not store in elevated temperatures.
- Please contact customer service for application guidelines with temperatures below 32°F (0°C).
- Do not install if rain is anticipated within 4 hours
- Do not use on TPO without TPO primer.
- Do not use on Hypalon membranes
- Smooth APP membranes require a prior installation of a granulated target of APP modified bitumen around the penetration.
- Do not use in areas subject to continuous immersion.
- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations. 800-826-1681
- Do not prime bonding surfaces with asphalt primer.
- Do not use asphalt cement as a "night sealant" around the base of the penetration. Use **M-1** for this purpose.

