

Spectrem® 800/900SL

Low Modulus/Self Leveling Silicone Highway and Parking Structure Sealant

Product Description

Spectrem 800 and Spectrem 900SL are low modulus, high performance, one-part, gun grade, silicone parking structure and highway joint sealants.

Basic Uses

Spectrem 800 and Spectrem 900SL have exceptional physical properties making them ideal for sealing the most demanding dynamically moving joints and horizontal applications. Both are formulated for highway, airport, bridge joints, and parking structures where high movement occurs.

Packaging

Quart cartridges (850 mL), 4.5 gallon (17.1 L) pails and 50 gallon (190 L) drums.

Made-To-Order Colors

Limestone and Dark Gray

INSTALLATION

Joint Design

May be used in any joint design in accordance with accepted highway/ engineering practice. Spectrem 800 and Spectrem 900SL should be no thicker than 1/2" (12.7mm) and no thinner than 1/4" (6.4mm). Sealant accepts +100%/-50% of installed width; however, Tremco recommends joint movement design ±25% movement. Sealant surface should be recessed 3/8-1/2" below pavement surface.

Backer Rod

Joint width	1/4"	3/8"	1/2"	3/4"	1"
Recessed Below Surface	3/8"	3/8"	3/8"	3/8"	3/8"-1/2"
Sealant Thickness	1/4"	1/4"	1/4"	3/8"	1/2"
Backer Rod Diameter	3/8"	1/2"	5/8"	7/8"	1 1/4"
Total Joint Depth	1 1/8"	1 1/8-1 1/4"	1 1/4-1 3/8"	1 5/8-1 3/4"	2 1/4-2 3/8"

Surface Preparation

For good adhesion, the joint interface must be sound, clean and dry. Portland cement joints should be fresh saw cut or sand blasted and blown clean with oil free compressed air.

Tooling & Cleaning

Tooling is recommended with Spectrem 800 immediately after application to insure firm, intimate contact with the joint interface.

For Spectrem 900SL, tooling is generally not required. Sealant should be recessed 3/8-1/2" below pavement surface. Cleaning can be accomplished with solvents such as IPA, Xylol, Toluol or MEK while sealant is in uncured state.

TYPICAL PHYSICAL PROPERTIES

Property	Spectrem 800 Typical Value	Spectrem 900SL Typical Value
Flow, Sag, Slump	Nil	Self leveling
Extrusion Rate	20-35 sec./20 g @ 60 psi	10-14 sec./20g @60 psi
Specific Gravity	1.35	1.3
Skin-Over Time, at 77° 50% RH	30-60 min.	30-80 min.
Tack-Free Time, at 77° 50% RH	60-90 min.	--
Cure Time, at 77° 50% RH	7-14 Days	14 Days
Full Adhesion, at 77° 50 RH	14-21 Days	14-21 Days
As Cured - 25° C (77°F) 50% RH	21 Days Cured	7 Days Cured
Elongation	1000%	1000%
Modulus, at 100%, psi maximum	15-30	--
Shore A	15	--
Joint Movement Capability, +100/-50%, 10 cycles	No Failure	No Failure
Adhesion to Concrete, minimum percent elongation	+500%	+600%
Adhesion to Asphalt, minimum percent elongation	--	+600%

Joint Backing

Closed cell polyethylene backer rods are preferred as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape must be installed to prevent three side adhesion. Joint backing must be dry at time of sealant application.

Application

Spectrem 800/Spectrem 900SL are easy to apply with conventional caulking or highway sealing equipment. Fill joint while maintaining recess and tool. At 75°F (23.9°C), 50% R.H. a durable skin will form within 60 minutes.

Maintenance

Damaged sealant can be repaired. Consult your Tremco Distributor or Representative for repair procedures.

Availability

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.

Warranty

Tremco warrant its Sealants to be free of defects in material, but makes no warranty as to appearance or color. Since method of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Sealants. Tremco's sole obligation shall be at its option, to replace, or to refund the purchase price of the quantity of Sealant proved to be defective and Tremco shall not be liable for any loss or damage.

