

# Product Data Sheet



## ASMACO 2890 SL

### Product Description:

Asmaco 2890 SL is a single component, low odor neutral cure Self-leveling silicone sealant for concrete and concrete to asphalt pavement joints. This is a high bonding sealant and offers a durable adhesion to most porous and non-porous construction material. The product non corrosive and is resistant to Ozone, UV and temperature extremes. Asmaco 2890-SL, Self-Leveling Silicone Joint Sealant is a one-part, self-leveling silicone material that cures to an ultra-low modulus silicone rubber upon exposure to atmospheric moisture. The cured silicone rubber remains flexible from -30 to 185°C. Asphaltic paving materials have low tensile strengths. It is important to use an ultra-low modulus material when sealing these substrates to ensure minimal strain is placed on the asphaltic joint face.

### Key Performance Properties:

- Self-leveling, no tooling required
- Can be extruded from -20 to 120°F
- Unprimed adhesion to Portland cement concrete and asphalt
- Seals irregular surfaces and joint widths
- Movement capability +100% extension and 50% compression
- Ultra-low modulus
- Weather and UV resistant

### Applications:

- Asmaco 2890-SL Silicone Joint Sealant can be used for concrete to concrete and concrete to asphalt pavement joints.
- For use in new construction, repair or remedial applications. Asmaco 2890-SL Silicone Joint Sealant can be used to seal irregularly shaped joints.

### Typical Properties:

Cure system	Neutral
Color	Grey
Specific Gravity, (Clear / Black)	1.15 – 1.25
Consistency	Self-leveling
Skin form time, @ RT Minutes	30 minutes
Viscosity @ 25°C	45000 cps
Tack free time, @ RT Minutes Approx	30
Application temperature range, °C	5 to 40
Durometer Hardness, Shore A, 6mm thick sealant,	12
Service temperature	-30 to 185°C approx
MECHANICAL PROPERTIES	
Elastic recovery	>90
Secant tensile modulus, N / mm <sup>2</sup>	0.3
Joint Movement Capability, %	+100 / -50

### Usage Instructions:

Surface preparation: Wire slot or joint must be sound, clean, dry, and frost-free when the sealant is installed. Remove dust, dirt, laitance, and all other foreign matters. Moisture-free and oil-free compressed air at a pressure of at least 90 psi should be used to blow out the wire slot or joint.



## Asmaco 2890 SL Silicone Sealant

Self-Leveling

Weather Resistant

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**Application:** Using a manual or air-operated gun, install Asmaco 2890 SL from a standard cartridge into the wire slot or joint to encapsulate the wire. Fill from the bottom up to within 14/-1“8/” of the roadway. Where required, strike off just below surface level and remove any excess material. Asmaco 2890 SL is also available in 200 l open mouth drums other packagings are also provided based on specific requirements. It can be used with most one-part, commonly used, loop sealant pumps. (Check with your pump manufacturer)

**Limitations:** Asmaco 2890 SL is not recommended for continuous water immersion. It should not be applied in totally confined spaces where the sealant is not exposed to atmospheric moisture. The sealant should never be applied to wet or damp asphalt or concrete pavements or installed during inclement weather.

## Cure Time:

The time required for curing is affected by atmospheric conditions like relative humidity and temperature, degree of confinement and thickness of the sealant. The product cures at a rate of 3mm per day @ 25°C and a relative humidity of 50%. Less moisture content reduces the rate of cure. Curing time increases with thickness. Application in confined spaces generally lengthens the curing process. It is possible that in total confinement the curing will not be complete and this will result in the softening of the sealant in elevated temperatures. Every application involving confinement while curing must be thoroughly tested before commercialization. Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended. Remove masking tape as soon as the application is over.

## Caution:

Direct contact with uncured sealant irritates eyes and may irritate skin. Over exposure to vapour may irritate nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water. Keep out of reach of children. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage.

## Storage and Shelf Life:

No special precaution has to be exercised. Always follow appropriate personal and industrial hygiene practices. Avoid direct contact with eyes, skin. Keep out of reach of children. Refer MSDS for further information. Store below 25°C in a cool dry shaded area. In places where high heat and humidity are present, special precautions must be taken. Store product in a covered, well ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity condition may reduce shelf life by around 30 %. Follow First In First Out strictly. Cartons should always be stacked upright with nozzle tip pointing upwards. Don't stack cartons on their sides. Never stack cartons more than 8 high. Don't store within one meter of roofing of the ware house or storage building. Product has a shelf life of 6 months from the date of manufacturing.

## Packaging:

Standard cartridges / 200 L drums

## Shipping Limitations: None

## Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

**Non – Warranty:** Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.



مصنع انكور الايد ذ.م.م  
**ANCHOR ALLIED FACTORY L.L.C.**

Tel. No.: +971 6 5342091, Fax No.: +971 6 5342107  
P.O. Box No.: 21152, Sharjah (U.A.E.), E-mail : info@anchorallied.com.



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