



Product Data Sheet

ASMACO 2670

Neutral One Component Silicone Based Non-Staining Weather Sealant

Description: ASMACO 2670 is designed for use as a weather seal sealant in applications. A single component neutral curing low modulus silicone sealant with good mechanical resistance and adhesion to most porous and non-porous substrates. It has excellent weathering characteristics and will not stain most common substrates. It has a high degree of joint movement accommodation, anticipated such as in structurally glazed curtain wall or aluminum cladding. It can also be used as a premium grade sealant in general applications such as expansion joints and external perimeter joints in concrete, block work & brick works.



KEY PERFORMANCE PROPERTIES

- **Suitable for Most Applications:** Ideal for both new construction and remedial sealing tasks.
- **Versatile:** Combines high-performance structural glazing and weather sealing in one product.
- **Color Options:** Available in various standard colors with custom colors also offered.
- **Excellent Weather Resistance:** Virtually unaffected by sunlight, rain, snow, or extreme temperatures.
- **Superior Adhesion:** Provides excellent unprimed adhesion to a wide range of construction materials, including anodized, alodined, and most coated or powder-coated aluminum surfaces.
- **Easy Application:** Ready-to-use, with no preparation required.
- **User-Friendly:** Offers all-temperature gunability, easy tooling, and low-odor curing, ensuring a smooth application process.

AREAS OF APPLICATION

ASMACO 2670 Sealant is a versatile, general-purpose sealant suitable for a wide range of industries and projects. Below are some typical applications:

Interior and Exterior Applications:

- Sealing dynamically moving joints, such as gaps between block and concrete, and expansion/control joints in concrete panel joints.
- Tilt-up panel joints and curtain wall joints.
- Perimeter caulking for windows, doors, panels, and frames.
- Joints between prefabricated construction materials.
- Sealing and bonding of ventilation ducts, gutters, and spouts.
- GRC (Glass Reinforced Concrete) and GRP (Glass Reinforced Plastic) lining joints.
- Movement and construction joints in floors.
- Suitable for use on painted metal, EIFS (Exterior Insulation and Finish Systems), granite, and other stone surfaces.
- **Mirror fixing application** – ideal for bonding mirror glass onto a variety of substrates, ensuring strong adhesion **without causing corrosion or damage to the mirror's reflective (mercury/silver) backing**.

STANDARDS

ASMACO 2670 complies with the requirements of:

- ISO 11600 F 25 LM, (previously known as BS 5889) Standard Specification for Elastomeric Joint Sealants.
- ASTM C-920, ASTM C 719 - Type S, Grade NS Class 50 Use NT, G.A & O
- ASTM C - 1184 For structural Silicone sealants.

METHOD OF APPLICATION

Surface Preparation:

- Remove any dirt, dust, and old sealant residues thoroughly.
- Clean the surface by wiping it with a solvent-soaked white cloth to remove grease and contaminants.
- Immediately follow up with a clean, dry cloth to ensure all traces of solvent and dirt are removed.

Masking:

- Apply masking tape to the surrounding areas to achieve precise, clean lines.
- Shield adjacent surfaces to prevent excess sealant and minimize the need for clean-up afterward.

Sealant Application:

- Trim the nozzle at a 45° angle and attach it to the cartridge, then place it into the caulking gun.
- Dispense the sealant into the joint base, ensuring full coverage and adhesion along both sides.
- Avoid merely placing the sealant on the surface—make sure it penetrates deeply into the joint.

Rev 04, TDS_ASMACO 2670 , GCC 0625



Product Data Sheet

Finishing (Tooling):

- Immediately smooth the applied sealant with a finishing tool for a clean, uniform appearance.
- Use a convex tool to keep the sealant inside the joint, avoiding overspreading.
- Avoid using water or soap as lubricants during the tooling process.
- Once the sealant begins to skin, avoid touching or disturbing the area for at least 48 hours.

Curing:

- Be aware that curing times may be extended in conditions of lower temperatures, reduced humidity, or limited air circulation.

Storage at Application Places:

- Avoid re-storing unused silicone sealant on-site after being kept for hours or left overnight in high or low temperatures, as this can degrade its performance properties.
- Ensure all material is fully utilized after pickup from controlled temperature storage to prevent any loss in effectiveness, such as debonding, loss of cohesiveness, and cracking.

Important Notes:

- Avoid applying the sealant wet conditions / High Temperature / Low Temperature (+5°C Below) or in areas with standing water.
- For contact applications, allow the sealant to fully cure before any exposure.
- Always test compatibility on a small surface area before full application, especially on coated or painted surfaces.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMCO 2670**. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

In critical cases seek medical assistance.

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC Sharjah, UAE** facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, and ISO 14001.

PACKAGING / SUPPLYING

ASMCO 2670 is available in
280 ml Plastic Cartridge (**24 Cartridges / Carton**)

COVERAGE RATE

The approximate linear meter sealant consumption per liter can be estimated from the following formula:

$$\frac{W \times D}{1000}$$

= Sealant Consumption per linear meter per liter.

Where: W = Joint Width (mm), D = Joint Depth (mm)

Joint Size in mm	Liters / meter Run	600 ml / Sausage meter run	280 ml/ Ctg / mr
4 x 4	0.016	37.5	17.50
6 x 6	0.036	16.60	7.77
12 x 10	0.120	5.00	2.33
20 x 10	0.200	3.00	1.16
25 x 12	0.300	2.00	0.93

STORAGE & SHELF LIFE

ASMCO 2670 Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (< 25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.

Note:

Storing the **ASMCO 2670** beyond the specified date on the label doesn't automatically make it unusable. For quality assurance, it is crucial to confirm with **ANCHOR ALLIED FACTORY LLC** whether the properties required for the intended use remain intact in such instances.

CLEAN UP

Clean all the equipment immediately with **ANCHOR CLEANER 1**



Product Data Sheet

TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Clear, White, Black, Grey, Beige, Brown & Others	—
Consistency	Thixotropic (Non Sag)	—
Curing Mechanism	Neutral	—
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Application Temperature	+5°C — +40°C	—
Service Temperature	-50°C — +260°C	—
Density, g/m ³	1.1 — 1.3	ASTM D 1475
Slump (H)	Nil (No Deformation)	ASTM C 920 -18 / ASTM C 639 - 17
Skin Over Time	10 min (RT)	ASTM C 920 -18 / ASTM C 679 - 15
Tack Free Time	30 — 60 min (23°C and 50% R.H)	ASTM C 920 -18 / ASTM C 679 - 15
Hardness Shore A	25 — 32	ASTM D 2240
MAF (Movement Capability)	±50%	ASTM C 719
Elastic Recovery	≥ 90%	ISO 7389
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTM C 920 -18/ASTM C 719 -14
Elongation at Break	≥ 600 %	ASTM D 412
E 100 Modulus	≥0.30 N/mm ²	ASTM D 412
VOC	≤ 41	USEPA - 24
TVOC	≤ 9.0µg/m ³	CDPH
Effect of Heat Ageing	No Cracks OR Chalking	ASTM C 920-18 / ASTM C 1246-17
UV Resistant	250 hours	ASTM C 793
E100 Modulus (23°C)	0.35-0.40 N/mm ²	ISO 8339
Elongation at Break	≥500 %	ASTM D 412
Tensile Strength	≥2.0 N/mm ²	ASTM D 412

Properties listed are based on laboratory-controlled tests. All values given are subject to 5-10% tolerance.

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.

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MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS,
SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

Rev 04, TDS_ASMACO 2670 , GCC 0625

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