

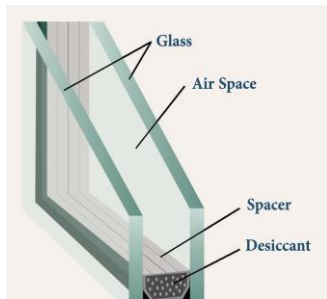


# Product Data Sheet

## ASMACO® 2677

### Description:

ASMACO 2677 is a single-component, neutral-cure silicone sealant designed for both indoor and outdoor applications. It provides high bonding strength and durable adhesion to a wide range of porous and non-porous substrates, including glass, metals, coated and painted metals, plastic, wood, and concrete. It is ideal as a secondary sealant for dual-sealed insulating glass units, ensuring a strong bond and weather-resistant performance.



### KEY PERFORMANCE PROPERTIES

- Odorless during application and curing.
- Excellent adhesion to glass, aluminium, and other common substrates used in insulated glass units (IGUs).
- Superior weather resistance: UV, ozone, and moisture resistant.
- High elasticity and flexibility for thermal movement accommodation.
- Stable performance in temperatures ranging from -40°C to +150°C.
- Neutral cure, non-corrosive to metal.
- Fast skin formation and curing time.
- Compatible with secondary sealants for IGU applications.

### AREAS OF APPLICATION

- Sealing insulating glass units (IGUs).
- Perimeter sealing for aluminium and glass assemblies.
- General-purpose sealing for weatherproofing applications requiring low odor.

### METHOD OF APPLICATION

#### Surface Preparation:

- Clean the surface of all dirt, dust, oil, grease, and other contaminants before application.
- Use an appropriate solvent or cleaner and ensure the surface is dry.

### Masking:

- Use masking tape to ensure clean sealant lines and protect surrounding areas from excess sealant.

### Application:

- Cut the cartridge nozzle at a 45° angle and apply using a caulking gun.
- Apply the sealant in continuous, even beads ensuring full contact with 3 sides of the joint.
- Tool the sealant immediately after application to ensure a smooth, neat finish.

### Curing:

- The sealant begins to form a skin in 10-20 minutes and fully cures at a rate of 2-3 mm per day depending on temperature and humidity.
- Full curing may take up to 7 days depending on joint depth and environmental conditions.

### Storage at Application Places:

- Do not store unused silicone sealant on-site after several hours or overnight, especially in extreme temperatures, as it can affect performance. Use all material soon after removing it from temperature-controlled storage to avoid issues like debonding, loss of adhesion, or cracking.

### Important Notes:

- Do not apply the sealant in wet conditions, extreme heat, or temperatures below +5°C. For applications involving contact, ensure the sealant is fully cured before exposure. Always test compatibility on a small area, particularly on coated or painted surfaces, before proceeding with full application.

### 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	L /Running Meter
4 x 4	0.016
6 x 6	0.036

Rev 01, TDS\_ASMACO 2677, GCC 0924



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## PACKAGING / SUPPLYING

ASMACO 2677 is available in  
280 ml/cartridge (24 Cartridges / Box)

## CLEAN UP

Clean all the equipment immediately with ANCHOR CLEANER 1

## HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying ASMACO 2677. In case the material splashes to the skin or eyes wash the same with fresh water immediately.  
**In critical cases seek medical assistance.**

## TECHNICAL SPECIFICATIONS

## 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.

## STORAGE & SHELF LIFE

ASMACO 2677 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.

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	White, Black	—
Consistency	Thixotropic (Non Sag)	—
Curing Mechanism	Neutral Oxime	—
Application Temperature	+5°C — +40°C	—
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Density, g/m <sup>3</sup>	01.30 ±0.02	ASTM D 1475
Skin Over Time	10 min (RT)	ASTM C 920 -18 / ASTM C 679 - 15
Hardness Shore A	35 — 45	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTM C 920 -18/ASTM C 719 -14
Elongation at Break	≥ 300 %	ASTM D 412
E 100 Modulus	≥ 0.35 N/mm <sup>2</sup>	ASTM D 412
Tensile Strength	>1.50 N/mm <sup>2</sup>	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.

All ANCHOR ALLIED FACTORY LLC datasheets are updated on a regular basis. This technical data sheet supersedes all previous editions relevant to this product. It is the user's responsibility to obtain the recent version.



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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 01, TDS\_ASMACO 2677, GCC 0924

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