



# Product Data Sheet

## ASMACOAT 2880

### DESCRIPTION:

ASMACO 2880 is a single-component, low-odor, neutral-cure silicone sealant designed for structural glazing and cladding applications. This high-bonding sealant provides durable adhesion to a wide range of construction materials, both porous and non-porous, including glass, metals, and most plastics. The product is non-corrosive and highly resistant to ozone, UV rays, and temperature extremes, ensuring lasting performance in diverse environmental conditions.



### KEY PERFORMANCE PROPERTIES

- **User-Friendly:** Easy-to-use, single-component sealant for straightforward application.
- **Room Temperature Curing:** Cures effectively at room temperature in ambient humidity conditions.
- **Ideal for Cladding:** Specially designed for cladding applications.
- **Non-Corrosive:** Low odor and non-corrosive, making it safe for various materials and environments.
- **High Durability:** Provides long-lasting performance, even in demanding applications.
- **Excellent Resistance:** Exceptional resistance to weathering, moisture, ozone, and other environmental stresses.
- These qualities make ASMACO 2880 a reliable solution for a wide range of construction and sealing needs.

### AREAS OF APPLICATION

ASMACO 2880 is highly versatile and suitable for a wide range of applications, including:

#### Structural Bonding

- Ensures secure attachment in various panel systems, ideal for demanding structural applications.

#### Panel Reinforcement

- Used to add strength and rigidity in panel stiffener applications.

#### Comprehensive Material Sealing

- Reliable for weatherproofing and sealing a variety of construction materials, including: Glass, Aluminium, Steel, Painted metals, Stone, Concrete, Brick, Plastics

### Joint Caulking

- Suitable for caulking around windows, doors, skirting, walls, and door frames, ensuring a seamless, durable finish.

### Structural Glazing

- Ideal for applications requiring both strong adhesion and flexibility in structural glazing.

### 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 | 280 ml/Cartridge meter run |
|------------------|------------------|----------------------------|
| 4 x 4            | 0.016            | 17.50                      |
| 6 x 6            | 0.036            | 7.70                       |

### METHOD OF APPLICATION

#### Surface Preparation

- Remove all dirt, dust, and old sealant residues thoroughly.
- Clean the surface using a white cloth soaked in solvent to remove grease and contaminants.
- Immediately follow with a clean, dry cloth to eliminate any remaining solvent and debris.

#### Masking

- Apply masking tape to surrounding areas to achieve precise, clean lines.
- Shield adjacent surfaces to prevent excess sealant, minimizing cleanup efforts.

#### Sealant Application

- Cut the nozzle at a 45° angle, attach it to the cartridge, and insert it into the caulking gun.
- Apply the sealant along the joint base, ensuring it adheres fully to both sides.
- Ensure deep penetration into the joint for optimal adhesion—avoid surface-only application.

Rev 01, TDS ASMACO 2880, GCC 1024



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## Finishing (Tooling)

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

## Curing

- Be aware that curing times may be extended in cold temperatures, low humidity, or limited air circulation.

## Storage at Application Sites

- Do not store unused sealant on-site for extended periods, especially in extreme temperatures, as this may affect performance.
- Use all sealant promptly after removing from temperature-controlled storage to prevent issues like debonding, loss of cohesion, or cracking.

## Important Notes

- Avoid applying the sealant in wet conditions or extreme temperatures (below +5°C) or in areas with standing water.
- For applications involving contact, allow the sealant to cure fully before exposure.
- Test the sealant on a small, inconspicuous area before full application, especially on coated or painted surfaces.
- Following these steps will ensure optimal performance, adhesion, and durability across various applications.

## PACKAGING / SUPPLYING

ASMACO 2880 is available in  
280 ml Plastic Cartridge (24 Cartridges / Carton)

## TECHNICAL SPECIFICATIONS

| PROPERTIES                | TYPICAL VALUES                | TEST STANDARDS                   |
|---------------------------|-------------------------------|----------------------------------|
| Color                     | White / Black                 | —                                |
| Consistency               | Thixotropic (Non Sag)         | ASTMC 920 -18/ASTM C 639 -15     |
| Curing Mechanism          | Neutral                       | —                                |
| Application Temperature   | +5°C — + 40°C                 | —                                |
| UV Resistant              | 300 hours                     | ASTM C 793                       |
| Density, g/m <sup>3</sup> | 1.32 ±0.02                    | ASTM D 1475                      |
| Skin Over Time            | 10 min (RT)                   | ASTM C 920 -18 / ASTM C 679 - 15 |
| Curing rate               | > 2 mm/day (23°C and 50% R.H) | —                                |
| Hardness Shore A          | 25 - 35                       | ASTM D 2240                      |
| Adhesion & Cohesion       | No, Cracks, Loss of Adhesion  | ASTMC 920 -18/ASTM C 719 -14     |
| VOC                       | 48 g/L                        | USEPA                            |
| Elongation at Break       | ≥ 400 %                       | ASTM D 412                       |
| E 100 Modulus             | ≥ 0.35 N/mm <sup>2</sup>      | ASTM D 412                       |
| Tensile Strength          | >1.30 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.

## 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.

## HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMACO 2880**. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

**In critical cases seek medical assistance.**

## CLEAN UP

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

## STORAGE & SHELF LIFE

**ASMACO 2880** 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 **ASMACO 2880** 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.



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## 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

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