



Product Data Sheet

ASMACO 2680 FG

High performance, odour less & food grade Silicone sealant.

Description: ASMACO 2680 FG is a single-component, neutral-cure silicone sealant designed for applications requiring contact with food and potable water. It is ideal for both indoor and outdoor use, offering high bonding strength and medium flexibility. The sealant adheres to a wide range of porous and non-porous substrates, including glass, metals, coated and painted metals, plastics, wood, and concrete. It is waterproof and resistant to ozone, UV, temperature extremes, mold, and mildew, making it suitable for environments with high humidity and moisture. This product ensures durable and long-lasting performance in challenging conditions.



KEY PERFORMANCE PROPERTIES

- Easy-to-use, single-component sealant.
- Excellent gun ability in all temperature conditions.
- Suitable for both new construction and sealant repair applications.
- Cures at room temperature under ambient humidity conditions.
- No surface pre-treatment or primer required for most substrates.
- Superior adhesion to a wide range of materials.
- Non-corrosive formula.
- Anti-fungal and anti-bacterial properties, ideal for wet areas.
- Exceptional durability and long-lasting performance.
- Low VOC content, compliant with green building standards.

AREAS OF APPLICATION

ASMACO 2680 FG silicone sealant offers excellent resistance to mold and mildew, making it ideal for environments with high humidity and moisture. Here are some common uses:

- **Meets BS6920 PART 1:2014:** Ensures the product is safe for use in applications where it may come into contact with potable water, complying with stringent water safety standards.
- **Food Processing Areas:** Ideal for sealing joints and gaps in facilities where food is prepared, processed, or packaged, ensuring a hygienic and waterproof environment.
- **Food Trucks:** Suitable for mobile food preparation environments, providing durable and food-safe sealing solutions that can withstand frequent cleaning and temperature changes.
- **Kitchens:** Perfect for residential or commercial kitchen applications, ensuring watertight and mold-resistant seals around sinks, countertops, and backsplashes.
- **Hospitals and Health Facilities:** Designed for use in medical and healthcare settings where cleanliness, hygiene, and resistance to bacteria and mold are essential.
- **Weather Sealing:** Provides excellent weather resistance for sealing common construction materials such as glass, metal, wood, and concrete, ensuring long-lasting performance in outdoor environments.

STANDARDS

ASMACO 2680 FG has been tested and is classified:

BS 6920 PART 1:2014

Rev 01, TDS_ASMACO 2680 FG, GCC 0924



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METHOD OF APPLICATION

Surface Preparation:

- Ensure all surfaces to be sealed are clean, dry, and free from dust, oil, grease, and any loose materials.
- For optimal adhesion, lightly abrade non-porous surfaces (such as glass or metal) and wipe with a solvent like isopropyl alcohol.
- Generally, no primer is required for most surfaces, but testing is recommended for particularly difficult or unknown substrates.

Application:

- Cut the nozzle at a 45° angle to the desired bead size.
- Apply the sealant using a caulking gun, holding it at an angle to ensure an even and continuous bead along the joint or surface.
- For larger gaps, apply the sealant in multiple layers or consider using a backing material to fill the space before applying the sealant.

Tooling:

- Smooth the applied sealant immediately using a spatula or a wet finger to ensure good contact with the surface and to remove any excess.
- Tool the sealant within 5-10 minutes of application for best results.

Curing:

- Allow the sealant to cure at room temperature. The product cures by reacting with atmospheric moisture, and full cure typically occurs within 24-72 hours, depending on humidity, temperature, and thickness of the sealant applied.

Clean-Up:

- Clean any excess uncured sealant using a cloth and solvent such as isopropyl alcohol.
- Once cured, the sealant can only be removed mechanically (by scraping or cutting).

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 food contact applications, allow the sealant to fully cure before any exposure to food or potable water.
- Always test compatibility on a small surface area before full application, especially on coated or painted surfaces.

PACKAGING / SUPPLYING

ASMACO 2680 FG 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	280 ml/Cartridge meter run
4 x 4	0.016	17.50
6 x 6	0.036	7.70

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 2680 FG. 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 2680 FG 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.



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TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Clear	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	Neutral Oxime	—
Service Temperature	-50°C — +150°C	—
Application Temperature	+5°C — +40°C	—
UV Resistant	300 hours	ASTM C 793
Density, g/m ³	1.00 ±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 — 32	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
VOC	< 3	USEPA-24
VOC	<3	SCAQMD Rule 1113
Elongation at Break	≥ 500 %	ASTM D 412
E 100 Modulus	≥ 0.40 N/mm ²	ASTM D 412
Tensile Strength	>1.30 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

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