



Product Data Sheet

ASMACO GLASS

Neutral One Component Silicone Based Acetic Cure Silicone Sealant complies ISO 11600 25LM

Description: ASMACO GLASS is a high-quality, single-component acetic cure silicone sealant designed for construction and glazing applications. It cures with moisture at room temperature to form a flexible, durable seal. The sealant bonds well to nonporous surfaces like glass, glazed ceramic, and aluminum, and offers resistance to ozone, UV rays, and extreme temperatures. It's ideal for use in aquariums and cladding, providing easy application and strong adhesion.



KEY PERFORMANCE PROPERTIES

- Easy-to-use, single-component formulation
- Fast curing
- Permanently elastic
- Excellent adhesion without priming the surface
- Low VOC
- Antifungal, ideal for sanitary and wet areas
- Cures at room temperature in ambient humidity
- Strong adhesion to various non-porous surfaces like glass, glazed ceramics, aluminium, masonry, and certain plastics
- Exceptional resistance to weather, moisture, ozone, UV radiation, and extreme temperatures

AREAS OF APPLICATION

ASMACO Glass Silicone Sealant with general-purpose properties is highly versatile and suitable for numerous industries and projects. Below are several typical applications:

- **Construction and Building Maintenance:**
Ideal for sealing joints and gaps in windows, doors, and other building components.
- **Bonding and Sealing:**
Effectively bonds and seals glass, ceramic tiles, glazed surfaces, and other smooth materials.
- **Caulking Wet Areas:**
Used around bathtubs, sinks, and other moisture-prone spaces for effective water resistance.
- **Woodworking and Furniture Assembly:**
Useful for sealing and bonding varnished or treated wood and in the assembly of wooden furniture.

DIY Projects:

- Highly versatile for various household repairs, ensuring strong adhesion to a wide range of materials, making it ideal for home improvement tasks.

Art and Craft Projects:

- Well-suited for creative projects requiring a durable adhesive and sealant.

Versatile Application:

- Testing is recommended due to the range of materials it may be used with.
- For improved adhesion, priming the substrate beforehand is recommended in many cases.
- Suitable for gun application at both low (+5°C) and high (+40°C) temperatures.
- Fast curing, becoming tack-free and resistant to cracks quickly.
- Remains flexible after curing at low (-40°C) and high temperatures (+100°C).
- Offers excellent adhesion to glass, vitrified surfaces, ceramic tiles, various plastics, and most paints.

STANDARDS

ASMACO GLASS has been tested and is classified:

- ISO 11600 F 25 LM, (previously known as BS 5889) Standard Specification for Elastomeric Joint Sealants.

Rev 01, TDS_ASMACO GLASS , GCC 0924



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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.

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.

PACKAGING / SUPPLYING

ASMACO GLASS 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 GLASS. 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 GLASS 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 GLASS 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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TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Clear	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	Acetic	—
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	50 g/L	USEPA
Elongation at Break	≥ 300 %	ASTM D 412
E 100 Modulus	≥ 0.50 N/mm ²	ASTM D 412
Tensile Strength	>1.20 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.

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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