



# Product Data Sheet

## ASMACO GP

### One Component Silicone Based General Purpose Sealant

#### Description:

ASMACO GP is a versatile one-part acetoxy silicone sealant suitable for a wide range of applications. Its ready-to-use nature eliminates the need for mixing, and the acetoxy curing mechanism ensures a quick and strong seal. This silicone sealant is known for its flexibility, durability, and resistance to environmental factors, making it ideal for sealing joints and gaps in construction and household settings.



#### KEY PERFORMANCE PROPERTIES

- **Single Component:** Easy-to-use, no mixing required.
- **Quick Curing:** Fast curing at room temperature.
- **Permanently Elastic:** Maintains flexibility over time.
- **Excellent Adhesion:** Strong unprimed adhesion to various surfaces, such as Glass, Ceramics, Aluminum, Masonry, and some Plastics.
- **Antifungal Properties:** Suitable for use in sanitary and wet areas.
- **Ambient Curing:** Cures at room temperature under normal humidity conditions.
- **Versatile Substrate Adhesion:** Outstanding adhesiveness to many non-porous substrates.
- **Weather and UV Resistance:** Excellent resistance to weathering, moisture, ozone, UV, and temperature extremes.
- **Structural attachment** of many panel systems, Panel stiffener applications, Aluminium, steel, painted metal, EIFS, granite and other stone, concrete, brick and plastics

#### AREAS OF APPLICATION

ASMACO GP silicone sealant with general-purpose characteristics can find a wide range of applications in various industries and projects. Here are some common uses:

- **Construction and Building Maintenance:** Sealing joints and gaps in windows and doors.
- **Bonding and sealing** glass, tiles, ceramics, and glazed surfaces.
- **Caulking** around bathtubs, sinks, and other wet areas.
- **Woodworking and Furniture Assembly:** Sealing and bonding impregnated or varnished wood. Assembling and bonding wooden structures.

#### DIY Projects:

Versatile for various household repairs and projects. Ideal for projects where excellent adhesion to different materials is required.

#### Art and Craft Projects:

Versatile use in art projects requiring a strong adhesive and sealant.

#### Versatile Application:

- Suitable for various applications in construction, partly in automotive, and industrial settings.
- Users must carry out their own adhesion tests due to the great variety of substrates.
- Adhesion can be improved in many cases by pretreating the substrate with a primer.
- Ready gun ability at low (+5 °C) and high (+40 °C) temperatures.
- Rapid crosslinking: quickly becomes tack-free and crack-resistant.
- Flexible at low (-40 °C) and high temperatures (+100 °C) following cure.
- Adheres excellently to glass, vitrified surfaces, ceramic tiles, many plastics, and most paints

#### STANDARDS

ASMACO GP has been tested and is classified:

- 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 25 Use NT, G.A
- ASTM C - 1184 For structural Silicone sealants

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## METHOD OF APPLICATION

### Preparation:

- Thoroughly remove all residual dirt and old sealant.
- Wipe the surface with a white cloth soaked in solvent to eliminate grease and dirt.
- Immediately wipe with another clean cloth to remove residual solvent and dirt.

### Masking:

- Use masking to achieve a clean and neat appearance.
- Protect surrounding areas from excess sealant to reduce cleanup.

### Applying:

- Cut the nozzle at a 45° angle and attach it to the cartridge, placing it in the caulking gun.
- Apply the sealant at the base of the joint, ensuring complete filling and wetting on both sides.
- Avoid simply laying a bead on the surface, as the sealant needs to penetrate the joint.

### Tooling:

- Immediately tool the surface of the joint after applying the sealant for a smooth, even finish.
- Use a tool with a convex profile to keep the sealant within the joint.
- Avoid using soap or water as tooling aids.
- After a skin has formed, refrain from disturbing the joint for 48 hours.

### Curing:

- The curing time can take longer at lower temperatures, lower humidity or by low volume of air exchange.

### Storage at Application Sites:

- Avoid storing unused silicone sealant on-site for extended periods, especially overnight or in extreme temperatures, as this can impact its performance. To prevent issues like debonding, loss of adhesion, or cracking, use the material shortly after removing it from temperature-controlled storage.

### Important Notes:

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

## PACKAGING / SUPPLYING

ASMACO GP 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 GP**. 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 GP** 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 GP** 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** 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, White, Black, Cream, Grey, Beige, Brown & Others	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	Acetic	—
Application Temperature	+5°C — +40°C	—
Service temperature	-40°C — +150°C	—
UV Resistant	300 hours	ASTM C 793
Density, g/m <sup>3</sup>	0.97 ±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 - 30	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
VOC	<5 g/L	USEPA-24
TVOC	≤ 9.0 µg/m <sup>3</sup>	CDPH Version 1.2 - California
VOC	4.16 g/L	SCAQMD Rule 1168
Elongation at Break	≥ 500 %	ASTM D 412
E 100 Modulus	≥ 0.30 N/mm <sup>2</sup>	ASTM D 412
Tensile Strength	≥ 1.5 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.

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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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