



Product Data Sheet

ASMACO 2500

DESCRIPTION:

ASMACO 2500 is a high-performance, single-component acetic cure silicone sealant designed for construction and glazing applications. Upon exposure to moisture, it forms a flexible elastomeric seal, offering excellent adhesion to nonporous substrates such as glass, ceramic tiles, and aluminum, it ensures long-lasting durability in various environmental conditions.



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
4 x 4	0.016
6 x 6	0.036

PACKAGING / SUPPLYING

ASMACO 2500 available in 280 g Cartridge
(24 Cartridges / Carton)

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. Avoid using soap or water as tooling aids. After a skin has formed, refrain from disturbing the joint for 48 h.

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

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.

KEY PERFORMANCE PROPERTIES

- Easy to use one-component type
- Cures at room temperature under ambient humidity conditions
- Outstanding adhesiveness to many nonporous substrates, including Glass, Glazed Ceramics, Aluminium, Masonry.
- Gunn ability at low (+5°C) and high (+40°C) temperatures
- Wide service temperature ranges from -20°C to 110°C
- Outstanding adhesiveness to a range of plastics
- Recommended to apply for adhesion test on your plastic surface prior to beginning work.

AREAS OF APPLICATION

- Suitable for various applications in construction and industrial settings
- Versatile use in art & craft projects requiring strong adhesion
- Ideal for DIY projects including home repairs, crafting, and hobby applications due to its ease of use and versatility
- General purpose sealing and bonding
- Effective for gap filling
- Suitable for sealing gaps between door and window frames
- Works well on aluminium, steel, painted metal, UPVC and plastics

CLEAN UP

Clean all the equipment immediately with ANCHOR CLEANER 1

Rev 01, TDS_ASMACO 2500 GCC 0224



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STORAGE & SHELF LIFE

ASMACO 2500 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 11 months in unopened conditions if stored as per guidelines.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMACO 2500** 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

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Colors, Clear, White, Black, Cream, Grey, Beige, Brown & Others	—
Consistency	Thixotropic (Non Sag)	—
Curing Mechanism	Acetic	—
Density, g/m ³	0.93 ±0.02	ASTM D 1475
Skin OverTime	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	15 - 21	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
DUMBLE TEST		
Elongation at Break	≥ 600 %	ASTM D 412
E 100 Modulus	≥0.30 N/mm ²	ASTM D 412
Tensile Strength	>1.00 N/mm ²	ASTM D 412

Listed are based on laboratory-controlled tests.

All values given are subject to a tolerance of 5-10%.

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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