



Product Data Sheet

ASMACO 2540

Antifungal, Antibacterial Acetic Cure Silicone Sealant

Description:

ASMACO 2540 represents the pinnacle of silicone sealant technology. This single-component, acetic-cure silicone sealant transforms upon exposure to moisture in the air, forming a highly flexible elastomeric seal. This remarkable product finds its place in a wide range of construction and glazing applications, making it a top choice for professionals and DIY enthusiasts alike. You can trust it to withstand the elements, as it is resistant to ozone, ultraviolet radiation, and temperature fluctuations.



AREAS OF APPLICATION

ASMACO 2540 is designed for sanitary or other sealing applications in,

NON- POROUS SURFACE

- Wet Rooms where Mildew Resistance is required.
- Seal Glass,
- Glazed Surfaces,
- Ceramic and Porcelain
- Coated Metal Substrates.
- Plastic.

POROUS SURFACE

- Masonry
- Concrete Block
- Re-Inforced Concrete
- Plaster

STANDARDS

ASMACO 2540 complies:

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

American society for testing & materials international
ASTM C920 – Type S, grade NS, class 25 use A,G,O,NT

KEY PERFORMANCE PROPERTIES

- **ASMACO 2540** is a one-part, acetic-cure silicone sealant specifically designed for the sealing of
- sanitary fittings, including baths, showers, sinks, urinals and ceramic tile joints.
- This product is mildew, fungus & bacteriostatic resistant.
- It is better protected against bacterial growth.
- Resistant to ozone, ultra-violet radiation and temperature extremes
- Fungus and mildew resistant.
- Bacteriostatic sealant.

METHOD OF APPLICATION

Surface Preparation

Ensure that surfaces to be sealed are clean, dry, sound and grease-free. Clean non-porous surfaces with ASMACO CLEANER or methylated spirits, and dry thoroughly with a clean oil and lint-free cloth before application of sealant.

Note: When using any solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Use solvent resistant gloves. Observe and follow all precautions listed on specified product TDS.

Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of the substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

Priming

No primer is required on most glazed surfaces, including vitreous enamel, ceramics, porcelain, glazed tiles, etc. For acrylic baths, it is recommended that an adhesion test is carried out. Adhesion to plastic and metal surfaces can be improved by using a ASMACO primer, for suitable primer recommendation please consult with Anchor Allied Factory LLC Technical department.

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Back-up Materials

When back-up material is required, a closed cell polyethylene backer rod is recommended. Low tack polyethylene tape should be used in joints too shallow to allow the use of a backer rod. Back-up materials provide back pressure and prevent three-sided adhesion that limits sealant movement capability.

Finishing

The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Clean-up

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using with ASMACO CLEANER. If sealant is misapplied to porous substrates, it should be left until it is just cured and then removed by peeling, cutting or other mechanical means. Care should be taken not to damage plastic or coated surfaces.

Joint Design

The sealant joint width should be designed to accommodate the movement capability of the sealant. When designing joints using with ASMACO 2540 Silicone, the minimum width should be 6 mm. For joints between 6–12 mm wide, a seal depth of 6 mm is required. For joints above 12 mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6 mm sealant bite to each substrate is recommended.

PACKAGING / SUPPLYING

ASMACO 2540 is available in

Gross Wt. 305 gram, 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	Liter/meter Run
4 x 4	0.016
6 x 6	0.036
12 x 10	0.120
20 x 10	0.200
25 x 12	0.300

CLEAN UP

Clean all the equipment immediately with ANCHOR CLEANER 1

STORAGE & SHELF LIFE

ASMACO 2540 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.

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 2540. In case the material splashes to the skin or eyes wash the same with fresh water immediately. In critical cases seek medical assistance.

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TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
<u>BEFORE CURING</u>		
Color	Clear- White – Grey – Beige -Others	—
Base	Acetic	—
Consistency	Thixotropic	—
Curing Mechanism	Moisture Curing	—
Curing Rate	Min. 2mm/day (23°C and 50% R.H)	—
Temperature Resistance	-50°C — +150°C	—
Application Temperature	+5°C — +40°C	—
Density, g/ml	0.95 ±0.05	ASTM D 1475
Tack free Time	30 — 45 min (23°C and 50% R.H)	ASTM C 920 -18 / ASTM C 679 - 15
<u>AFTER CURING</u>		
Hardness Shore A	14	ASTM D 2240
Effects of heat ageing	No cracking or chalking.	ASTM C 920-18 / ASTM C 1246-17
MAF (Movement Capability)	±50%	ASTM C 719
Elastic Recovery	≥90%	ISO 7389
VOC	57.52	USEPA
Slump (H)	Nil (No Deformation)	ASTMC 920 -18/ASTM C 639 -15
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
Weathering. UV Resistant	300 hours UV	ASTM C 793
Tear Strength	>4 N/mm ²	ASTM D 412
<u>GLASS</u>		
Elongation at Break	Min 200%	ISO 8339
Pull Off Adhesion	>2.0 N/mm ²	ASTM D 4541
E100 Modulus (23°C)	0.35-0.40 N/mm ²	ISO 8339
E100 Modulus (-20°C)	≤0.60 N/mm ²	ISO 8339
<u>DUMBLE TEST</u>		
Elongation at Break	≥500 %	ASTM D 412
Tensile Strength	1.2 N/mm ²	ASTM D 412

Properties listed are based on laboratory-controlled tests.

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

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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.

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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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