



Product Data Sheet

ASMACO 2800

Description:

Asmaco 2800 is a single-component, low-odor, neutral-cure silicone sealant that works well for both indoor and outdoor applications. It is known for its high bonding strength and low modulus, offering long-lasting adhesion across various porous and non-porous materials such as masonry, brick, aluminium, U-PVC, polycarbonates, polyacrylate, wood, glass, and glazed surfaces.

Asmaco 2800 provides excellent resistance to environmental factors such as ozone, UV rays, additionally, it is designed to inhibit mold and mildew growth, making it ideal for areas with high humidity and temperature fluctuations.



AREAS OF APPLICATION

Non-Structural Glazing

- Suitable for glazing applications that do not bear structural loads.

Mirror Mounting Applications

- Ideal for securely fixing mirrors in place.

Structural Attachment for Panel Systems

- Provides robust support for attaching various panel systems.

High-Demand Sanitary Applications

- Suitable for environments requiring rigorous sanitary standards.

Panel Stiffening

- Effective for enhancing panel rigidity and support.

Sealing of Common Construction Materials

- Provides durable sealing for materials including:
- Glass
- Aluminium
- Steel
- Painted metals
- Granite and other stone types
- Concrete
- Brick
- Plastics

These applications highlight the product's adaptability and strength across a range of construction and maintenance needs.

KEY PERFORMANCE PROPERTIES

- Convenient, single-component application
- Cures effectively at room temperature under ambient humidity
- No need for surface pre-treatment or primer
- Exceptional adhesion across various substrates
- Non-corrosive formulation
- Anti-fungal grade, ideal for sanitary uses
- High durability and longevity
- Superior resistance to weathering, moisture, and ozone
- Suitable for both interior and exterior applications
- Low VOC, meeting green building standards

STANDARDS

ASMACO 2800 confirms to

- ISO 11600- F&G – 25 LM

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



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METHOD OF APPLICATION

Surface Preparation

- Thoroughly remove any dirt, dust, and old sealant residues.

Clean the surface using a white cloth soaked in solvent to eliminate grease and contaminants. **Surface Preparation**

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- Clean the surface using a white cloth soaked in solvent to eliminate grease and contaminants.
- Follow immediately with a clean, dry cloth to remove all traces of solvent and debris.

Masking

- Apply masking tape to surrounding areas for precise, clean lines.
- Shield adjacent surfaces to prevent excess sealant, reducing clean-up effort.

Sealant Application

- Cut the nozzle at a 45° angle, attach it to the cartridge, and place it in the caulking gun.
- Apply the sealant into the joint base, ensuring it fully adheres along both sides.
- Avoid applying the sealant only on the surface—make sure it penetrates deeply into the joint for optimal adhesion.

Finishing (Tooling)

- Immediately smooth the applied sealant with a finishing tool to achieve a clean, uniform appearance.
- Use a convex tool to keep the sealant within the joint without overspreading.
- Avoid using water or soap as lubricants during tooling.
- Once the sealant begins to skin, avoid disturbing it for at least 48 hours.

Curing

- Note that curing times may increase in colder temperatures, low humidity, or limited air circulation.

Storage at Application Sites

- Do not store unused sealant on-site for extended hours or overnight, especially in extreme temperatures, as it may affect performance.
- Use all sealant from temperature-controlled storage promptly to maintain effectiveness and avoid issues like debonding, loss of cohesion, or cracking.

Important Notes

- Avoid applying the sealant in wet, excessively high, or low temperatures (below +5°C) or in areas with standing water.
- For contact applications, allow the sealant to fully cure before exposure.
- Test compatibility on a small, inconspicuous area before

PACKAGING / SUPPLYING

ASMACO 2800 is available in
280 ml Plastic Cartridge (**24 Cartridges / Carton**)

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 2800**. 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 2800 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 2800** 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	White / Black	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	Neutral	—
Application Temperature	+5°C — + 40°C	—
UV Resistant	300 hours	ASTM C 793
Density, g/m ³	1.32 ±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 - 35	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
VOC	18 g/L	USEPA
Elongation at Break	≥ 400 %	ASTM D 412
E 100 Modulus	≥ 0.35 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.

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.



مصنع انكور الايد ذ.م.م.
ANCHOR ALLIED FACTORY L.L.C.
An ISO 9001:2015 Certified Company



☎ : +971 6 5342091, ☎ : +971 6 5342107, P.O. Box No.: 21152

MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS,
SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

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📍 Industrial Area-15, Sharjah, U.A.E. 🌐 www.anchorallied.com ✉ info@anchorallied.com