



Product Data Sheet

ASMACO 2650

Description:

ASMACO 2650 is a versatile, single-component silicone sealant with a neutral curing process, ideal for a range of applications. Its user-friendly design ensures a quick, reliable seal, while its flexibility and durability provide strong resistance to environmental factors. This makes it an excellent choice for sealing joints and gaps in both construction and household projects.



KEY PERFORMANCE PROPERTIES

- Convenient one-component, ready-to-use formula.
- Cures at room temperature under normal humidity conditions.
- Requires no surface pre-treatment or primer for most substrates.
- Exhibits excellent adhesion to a wide range of materials.
- Non-corrosive, ensuring material integrity.
- Offers exceptional durability for long-lasting performance.

AREAS OF APPLICATION

Asmaco 2650 silicone sealant is highly versatile, making it suitable for a broad range of applications across different 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.
- Concrete, Concrete block & brick

Sanitary Applications:

- Caulking around bathtubs, sinks, and other wet areas.

Woodworking / Steel / Aluminium / Plastic and Furniture Assembly:

- Sealing and bonding impregnated or varnished wood.
- Assembling and bonding wooden structures.
- Aluminium, steel, painted metal, and plastics

DIY Projects:

- Ideal for various household repairs and projects.
- Excellent for applications requiring strong adhesion to diverse materials.

METHOD OF APPLICATION

Preparation:

- Thoroughly clean the surface by removing any dirt, old sealant, and debris.
- Use a white cloth soaked in solvent to wipe away grease and contaminants.
- Immediately follow with a dry, clean cloth to remove any remaining solvent and dirt.

Masking:

- Apply masking tape to protect adjacent areas and ensure a clean, neat sealant line.
- Prevent excess sealant from reaching undesired areas to minimize the need for clean-up.

Applying:

- Cut the nozzle of the sealant cartridge at a 45° angle and attach it to the caulking gun.
- Apply the sealant at the base of the joint, ensuring it fully fills and adheres to both sides.
- Avoid laying a bead on the surface; ensure the sealant penetrates the joint for proper sealing.

Tooling:

- Immediately tool the sealant after application to create a smooth, even surface.
- Use a convex-profile tool to ensure the sealant stays within the joint.
- Avoid using water or soap as tooling agents.
- Once the sealant forms a skin, avoid disturbing it for at least 48 hours.

Curing:

- Curing may take longer in cooler temperatures, low humidity, or poor air circulation.

Storage at Application Places:

- Do not store unused silicone sealant on-site after several hours or overnight, especially in extreme temperatures, as it can affect performance. Use all material soon after removing it from temperature-controlled storage to avoid issues like debonding, loss of adhesion, or cracking.

Important Notes:

- Do not apply the sealant in wet conditions, extreme heat, or temperatures below +5°C. For contact applications, allow the sealant to cure completely before exposure. Always test the sealant's compatibility on a small area, particularly on coated or painted surfaces, before full application.

Rev 02, TDS_ASMACO 2650, GCC 0224



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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/RM
4 x 4	0.016	17.50
6 x 6	0.036	7.70

PACKAGING / SUPPLYING

ASMCO 2650 is available in
280 ml Plastic Cartridge (24 Cartridges / Carton)

CLEAN UP

Clean all the equipment immediately with ANCHOR CLEANER 1

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 ASMCO 2650. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

In critical cases seek medical assistance.

STORAGE & SHELF LIFE

ASMCO 2650 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.

TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Clear, White, Black, & Others	—
Consistency	Thixotropic (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Curing Mechanism	Neutral Oxime	—
Application Temperature	+5°C — +40°C	—
Density, g/m ³	0.96 ±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	22 - 28	ASTM D 2240
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
VOC	< 3	USEPA
Elongation at Break	≥ 500 %	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.

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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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