



Product Data Sheet

ASMACRYL 47

Multipurpose Acrylic sealant For Internal Applications

Description:

ASMACRYL 47 stands as a versatile acrylic sealant designed for indoor applications. It undergoes curing upon exposure to the atmosphere, creating a flexible seal without requiring a primer on surfaces like concrete, stone, marble, and aluminium. This adaptable sealant excels on porous surfaces such as brick, concrete, and wood, making it well-suited for tasks like gap filling in concrete & concrete blocks. With its efficacy in filling cracks and joints, ASMACRYL 47 offers a reliable solution. The flexibility of the cured sealant allows it to accommodate surface movement, ensuring a durable and long-lasting sealing outcome across various applications.



KEY PERFORMANCE PROPERTIES

- Suitable for most new construction and remedial sealing applications.
- Available in different colors; custom colors are also available.
- Excellent unprimed adhesion to a wide variety of construction materials and building components,
- Ease of application – ready to use as supplied.
- Ease of use – all temperature gun ability, easy tooling,
- low-odor.
- Curing at room temperature.
- Water Based low VOC sealant.

AREAS OF APPLICATION

- Interior Applications
- Sealing and bonding of ventilation ducts,
- Around doors and window frames.
- Around ventilation grills.
- Gap between soffit and wall.
- Joints in block work where only low movement is expected.
- Crack Filling (constraints in concrete or plaster cracks).

METHOD OF APPLICATION

- **Joint Configuration:**
Width to depth ratio of should be 2:1 Sealants should be selected and installed in line with ASTM C1193 Standard Guide for use of Joint sealants.

▪ Surface Preparations:

Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant (curing Compound) which may affect adhesion. Any previously applied sealant must be mechanically removed. Apply masking tape to prevent contamination of adjacent surfaces.

▪ Joint Backer Rod:

In movement joints, back fill the joint with polyethylene joint backing to control the recommended depth of sealant and prevent three-sided adhesion.

▪ Joint depth:

it is important that the depth should not exceed half the width to optimize the elastomeric properties of the acrylic sealant, when using filler boards in expansion joints to achieve the correct depth,

Applications:

- **ASMACRYL 47** is formulated to be applied using a sealant. Silicone sealant guns are fitted with conical nozzles which can be cut to suit the joint width. Apply masking tape on both side of the joint surface. The sealant should be gunned into the joint using an even trigger pressure, cleaning the nozzle occasionally to avoid contamination. Deep joints should be filled in two or more runs, to prevent air entrapment. When applying the sealant to a vertical joint, start application at the bottom of the joint to continuously support the sealant. Remove the tape while the sealant is still tacky.
- **Finishing**
To displace any air bubbles present in the sealant. It is advisable, immediately after the ASMACRYL 47 has been applied, to finish by tooling with a rounded spatula or similar object. The outermost surface of the sealant should be finished with a slightly concave profile. On no account must moistened fingers to be used.

PACKAGING

ASMACRYL 47 is available in
280 ml Plastic Cartridge (**24 Cartridges / Carton**)

CLEAN UP

Clean all the equipment immediately with **ANCHOR CLEANER 1**

STORAGE & SHELF LIFE

ASMACRYL 47 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.

Rev 03, TDS_ASMACRYL 47, GCC 1224



Product Data Sheet

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
6 x 6	0.036	7.77
10 x 10	0.100	2.80
12 x 10	0.120	2.33
15 x 10	0.150	1.87
20 x 10	0.200	1.40

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 **ASMCRYL 47**. 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	White, Grey, Black, Beige.	—
Consistency	Smooth Paste (Non Sag)	ASTMC 920 -18/ASTM C 639 -15
Temperature Resistance	-50°C — +150°C	—
Application Temperature	+5°C — +40°C	—
Density, g/m ³	1.65 ±0.02	ASTM D 1475-13 (2020)
Skin Over Time	~10 min (RT)	ASTM C 920 -18 / ASTM C 679 -15
Tack Free Time	2 hours	ASTM C 679 -15 (2022)
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Hardness Shore A	>32	ASTM D 2240 -15 (2021)
Extrusion Rate	30 ml / min	ASTM C 1183 /C1183M -13 (2024)
Adhesion & Cohesion,	Glass:1.12, Aluminum:1.03, Concrete: 1.28, N/mm ²	ASTMC 794 -18 (2022)
VOC	<1	USEPA
Joint Movement Capabilities	± 20 %	ASTM C 719 (2022)
Elongation at Break	≥ 200 %	ASTM D 412 -16 (2021)
E 100 Modulus	≥0.50 N/mm ²	ASTM D 412
Tensile Strength	>1.20 N/mm ²	ASTM D 412 -16 (2021)
Tear Resistance	>12 N	ASTM D 624 -00 (2020)

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.



☎ : +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

Rev 03, TDS_ASMCRYL 47, GCC 1224