

SabreSeal™ AC



SabreSeal AC All Purpose Silicone Sealant is a general acetoxy silicone sealant formulated for various sealing applications like glazing, where long-term reliability is required. It will bond to form a durable, flexible, and waterproof seal on many common wet area building materials. SabreSeal AC is permanently elastic after curing.

Features

- Fast curing
- Wide adhesion range
- Permanently flexible
- Waterproof
- Indoor and outdoor use

Applicable Tests / Standards

SabreSeal AC meets the requirements of:

- ASTM C920, Type S, Grade NS, Class 25, Use NT, A & G
- RoHS I & RoHS II

Application

Well-suited for general sealing applications such as skylights, ventilators, air-conditioning systems, plastic signs, glass block structures and as a bedding for marine hardware.

Preparation

- Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
- For a neat finish, use masking tape and remove within the working time.
- For sealant designs with depth of over 10mm, use approved backing materials.

Specification

Curing system	Moisture curing, acetoxo	
Specific gravity	0.95 – 0.98 g/mL	
Tensile strength	>0.5 N/mm ²	ASTM D412
Elongation at break	>350 %	ASTM D412
Movement capability	±25 %	ASTM C719
Shore A hardness	10 – 20	ASTM C661
VOC content	98.51 g/L	USEPA Method 24

Application Direction

- 1 Cut the cartridge tip carefully.
- 2 Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
- 3 Use a caulking gun and extrude the sealant with a single bead.
- 4 Tool the sealant bead with a clean and dry tool within the working time for a smooth finishing.

Clean Up

- Wet sealants can be cleaned up with acetone or mineral spirits.
- Cured sealants can only be removed mechanically.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Generally calculation of the width sealant bead should be computed on the basis of a maximum ±25 % movement capability
- Minimum joint depth should not be less than 6 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Limitations

Not recommended for following applications:

- Substrates that could be corroded by acetic acid released as the sealant cures.
- Copper or any alloys containing copper.
- Polyethylene, polypropylene, and polytetrafluoroethylene (Teflon)
- Traffic areas subject to abrasion.
- Structural glazing.
- Substrates such as concrete, marble, quartzite, or natural stone.
- Neoprene rubber.

Coverage

Width	Depth	Coverage (280 ml) *
6 mm	6 mm	7.07 meter
10 mm	10 mm	2.55 meter
20 mm	10 mm	1.27 meter
25 mm	12 mm	0.85 meter

* The coverage figures shown above are approximate linear meter run based on 10% wastage assumption. Actual coverage may vary.

• Calculation formula:

$$X / [(Y \times Z) \times 1.1] = \text{Coverage}$$

X = volume of cartridge (or sausage) in ml,

Y = joint width in cm, Z = joint depth in cm,

1.1 = 10% wastage assumption,

Coverage = linear meter run in cm per cartridge (or sausage)

Packaging & Colour

Colour	Size	Code
<input type="radio"/> Translucent	Cartridge 300ml 25 carts/carton	2000156

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store in a dry and cool place with temperature below 30 °C.

Shelf Life

12 months

Caution

Product releases acetic acid during application and curing. Keep out of reach of children. Use in well ventilated areas. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

SabreSeal_AC_TDS_2307

IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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