



TECHNICAL DATA SHEET

A100

ACETIC CURE SILICONE SEALANT

Professional-grade acetoxysilicone sealant for glass, aluminum, glazing and general sealing.

DOCUMENT CONTROL

DOCUMENT NO.
TDS-A100-001

ISSUE DATE
2026

REVISION
01

PRODUCT CODE
A100



BUILT FOR PROFESSIONALS

Strong Bond. Lasting Protection. Professional Results.

300 ml Cartridge | Black / White / Clear / Brown / Gray

www.specsindustrial.ph

PRODUCT DESCRIPTION

SPECS A100 is a one-component, ready-to-use acetic cure silicone sealant designed for professional glazing and general sealing applications. It provides strong adhesion to glass, aluminum, ceramic tiles and other non-porous substrates while maintaining long-term flexibility, weather resistance and reliable sealing performance.

KEY PERFORMANCE BENEFITS

- Strong adhesion to glass, aluminum and common non-porous building materials. Fast skin formation for efficient installation workflow.
- Weather resistant and suitable for interior and exterior sealing applications.
- Waterproof seal after full cure.
- Flexible after curing to accommodate minor movement and vibration.
- UV resistant for long-term outdoor exposure.

RECOMMENDED APPLICATIONS

- | | |
|--|---|
| <ul style="list-style-type: none">• Glass-to-glass sealing• Glass-to-aluminum sealing• Aluminum windows and doors• Storefront glazing systems | <ul style="list-style-type: none">• Shower enclosures• Bathroom and kitchen sealing• General glazing works• Interior and exterior construction sealing |
|--|---|

LIMITATIONS

- Not intended for structural glazing applications.
- Not recommended for natural stone, marble or granite where staining may occur.
- Not recommended for PE, PP, PTFE and bituminous substrates.
- Not recommended for continuously submerged joints unless suitability is verified by testing. User must verify compatibility and adhesion on actual substrates before project application.

TECHNICAL PROPERTIES

Typical values based on supplied product data. Values are not intended as product specifications unless formally issued by SPECS.

Property	Result	Standard / Method
Cure System	Acetic Cure	-
Appearance	Smooth paste, no agglomeration	Visual
Specific Gravity	0.98 ± 0.01 g/cm ³	GB/T 13477
Application Temperature	4°C to 40°C	-
Tack-Free Time	10-20 min	GB/T 13477
Cure Rate	2.5-3.0 mm / 24 hrs	-
Full Cure Time	7-14 days	-
Sag / Flow Resistance	0 mm	GB/T 13477
Elongation at Break	155%	GB/T 13477
Tensile Strength	0.58 MPa	GB/T 13477
Hardness	Shore A 38	-

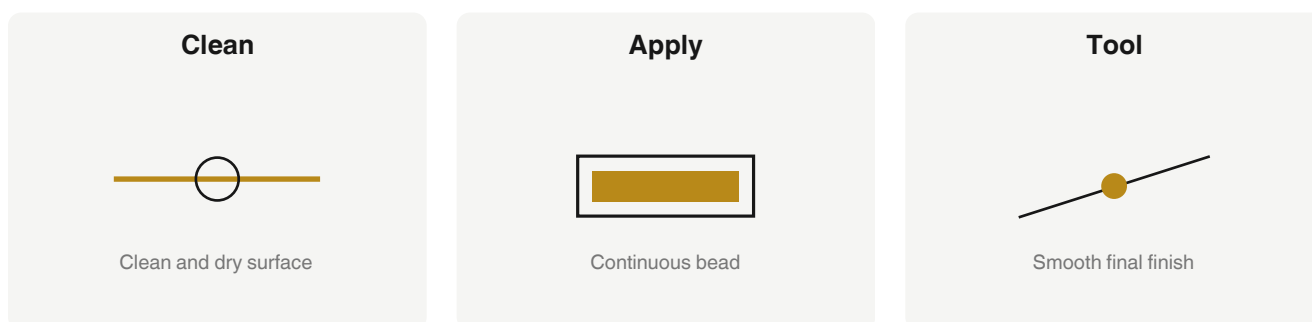
TEST CONDITIONS

Physical properties are measured after curing for 7 days at 25°C unless otherwise stated. Actual curing performance depends on joint depth, ambient temperature, humidity and substrate conditions.

APPLICATION PROCEDURE

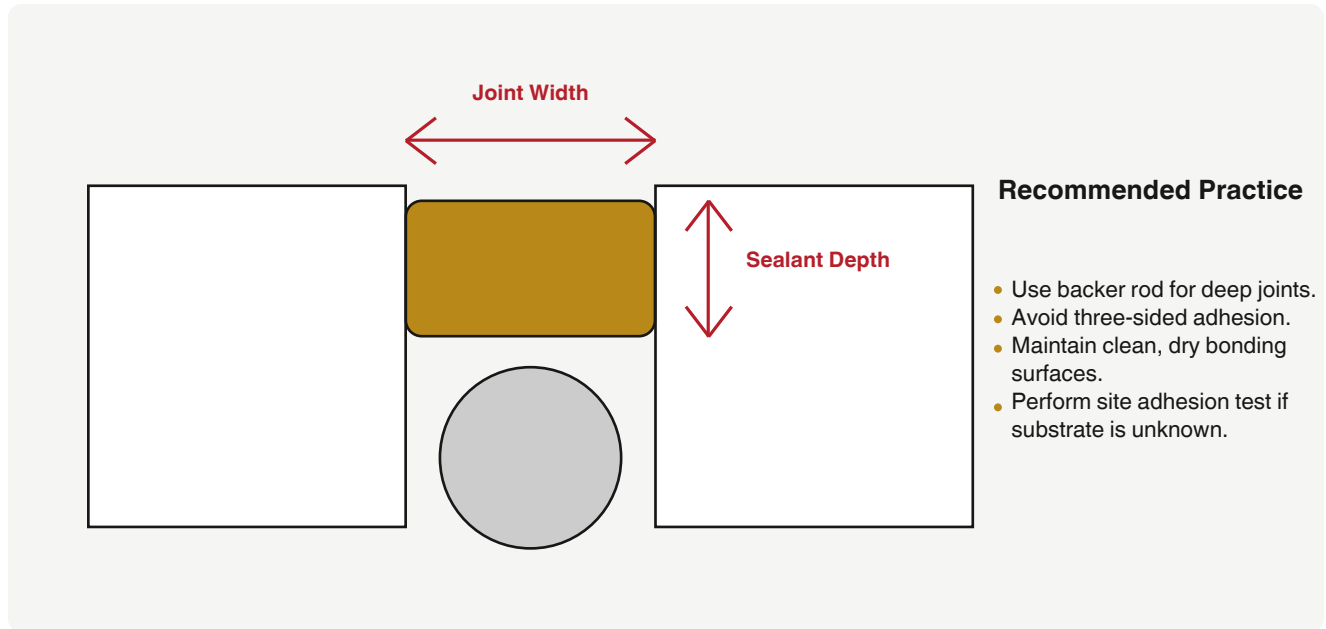
- 1. Surface Preparation** Surfaces must be clean, dry and free from dust, oil, grease, loose particles and old sealant residue.
- 2. Masking** Apply masking tape to both sides of the joint to achieve a clean and professional finish.
- 3. Cartridge Preparation** Cut the cartridge tip, attach nozzle and cut nozzle to the required bead size.
- 4. Sealant Application** Apply sealant continuously and evenly into the joint. Avoid air entrapment.
- 5. Tooling** Tool within 5-10 minutes using a suitable spatula or tooling solution.
- 6. Curing** Allow sealant to cure fully. Cure time varies depending on joint size, temperature and humidity.

INSTALLATION NOTES



JOINT DESIGN RECOMMENDATIONS

Proper joint geometry improves performance, movement capability and long-term durability.



TYPICAL JOINT RATIO

Joint Width	Recommended Depth
Up to 6 mm	Approx. 6 mm
6-12 mm	Approx. 6 mm
12-25 mm	Approx. half joint width

PACKAGING & STORAGE

Item	Information
Product Code	A100
Product Type	Acetic Cure Silicone Sealant
Packaging	300 ml cartridge
Available Colors	Black, White, Clear, Brown, Gray
Shelf Life	12 months from manufacturing date
Storage	Store below 27°C in a cool, dry place away from direct sunlight

SPECS PRODUCT SYSTEM

Code	Product	Typical
A100	Acetic Cure Silicone	Fast-curing glass and aluminum sealant
N100	Neutral Cure Silicone	Low-odor neutral cure sealant
S100	Structural Silicone	Structural bonding applications
WS100	Weather Seal Silicone	Weatherproof exterior sealing

TECHNICAL SUPPORT & DISCLAIMER

The information contained in this document is offered in good faith based on available product data, laboratory testing and practical experience. Because application conditions and substrates vary, users are responsible for determining product suitability for their intended use. SPECS reserves the right to update technical information without prior notice.



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