



TECHNICAL DATA SHEET

N100

NEUTRAL CURE SILICONE SEALANT

Professional-grade neutral cure sealant for glazing, weather sealing and general construction applications.

DOCUMENT CONTROL

DOCUMENT NO.
TDS-N100-001

ISSUE DATE
2026

REVISION
01

PRODUCT CODE
N100



BUILT FOR PROFESSIONALS

Strong Bond. Lasting Protection. Professional Results.

300 ml Cartridge | Black / White / Clear



www.specsindustrial.ph

PRODUCT DESCRIPTION

SPECS N100 is a one-component, ready-to-use neutral cure silicone sealant designed for professional glazing, weather sealing, and general construction applications. It provides excellent adhesion to glass, aluminum, concrete, metal, ceramic, and other common building materials while maintaining long-term flexibility and durability.

Its neutral cure formulation produces low odor during curing and minimizes the risk of corrosion on sensitive substrates, making it suitable for both interior and exterior applications. Once cured, N100 forms a durable, weatherproof seal with excellent resistance to UV exposure, temperature variation, and environmental aging.

KEY PERFORMANCE BENEFITS

- Neutral Cure Technology – Low odor formulation suitable for a wide range of construction applications.
- Strong Adhesion – Bonds effectively to glass, aluminum, concrete, metal, ceramic, and many common building materials.
- Weatherproof Protection – Forms a durable seal resistant to rain, moisture, and outdoor exposure.
- UV Resistant – Withstands prolonged sunlight exposure without cracking or significant discoloration.
- Flexible & Durable – Maintains flexibility after curing to accommodate minor joint movement and vibration.
- Interior & Exterior Use – Suitable for glazing, windows, doors, curtain walls, and general sealing applications.
- Easy Application – Smooth extrusion and tooling characteristics for efficient installation.

RECOMMENDED APPLICATIONS

- | | |
|--|---|
| <ul style="list-style-type: none">• Glass-to-glass sealing• Glass-to-aluminum sealing• Aluminum windows and doors Storefront• Curtain wall perimeter joints• Expansion and connection joints | <ul style="list-style-type: none">• Concrete and masonry sealing• Metal panel and cladding joints• General construction and maintenance applications• Bathroom and kitchen sealing• Shower enclosures• Interior and exterior weather sealing |
|--|---|

LIMITATIONS

- Not intended for structural glazing or applications requiring structural load-bearing performance.
- Not recommended for continuously submerged joints or underwater applications unless suitability has been verified through testing.
- Not intended for aquarium construction.
- Not recommended for use on surfaces that may bleed oils, plasticizers, or solvents.
- Adhesion testing is recommended prior to application on coated, painted, or unfamiliar substrates.
- Not suitable for frost-covered, wet, contaminated, or improperly prepared surfaces.
- Cure time may be extended in low-temperature or low-humidity conditions.
- Users should 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 /
Cure System	Neutral Cure	-
Appearance	Smooth paste, no agglomeration	Visual
Specific Gravity	1.48 ± 0.05 g/cm ³	GB/T 13477
Application Temperature	4°C to 40°C	-
Tack-Free Time	17 min	GB/T 13477
Cure Rate	2.75 mm / 24 hrs	-
Full Cure Time	7-14 days	-
Sag / Flow Resistance	0 mm	GB/T 13477
Elongation at Break	295%	GB/T 13477
Tensile Strength	0.705 MPa	GB/T 13477
Hardness	Shore A 38.5	GB/T 531

Certain physical properties may vary slightly for clear color variants.

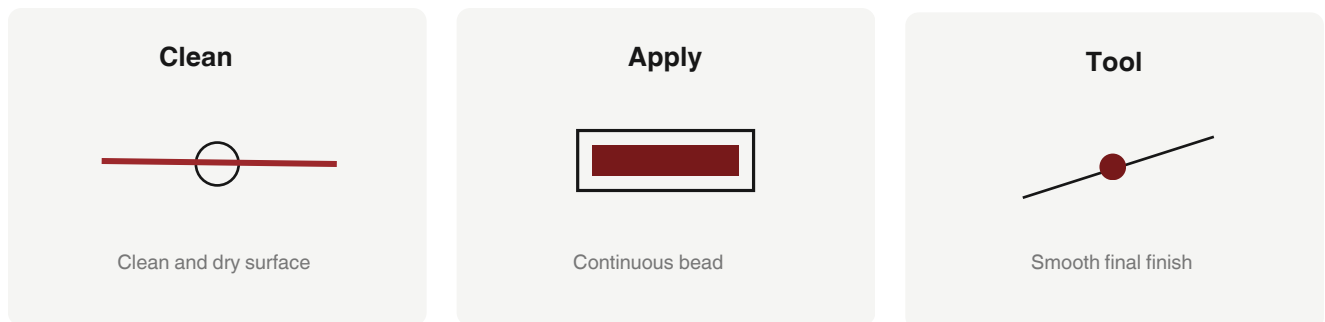
TEST CONDITIONS

Physical properties are measured after curing for 21 days at 23 ± 2°C and 50 ± 5% relative humidity, unless otherwise stated. Actual curing performance may vary depending on joint depth, ambient temperature, humidity, ventilation, and substrate conditions.

APPLICATION PROCEDURE

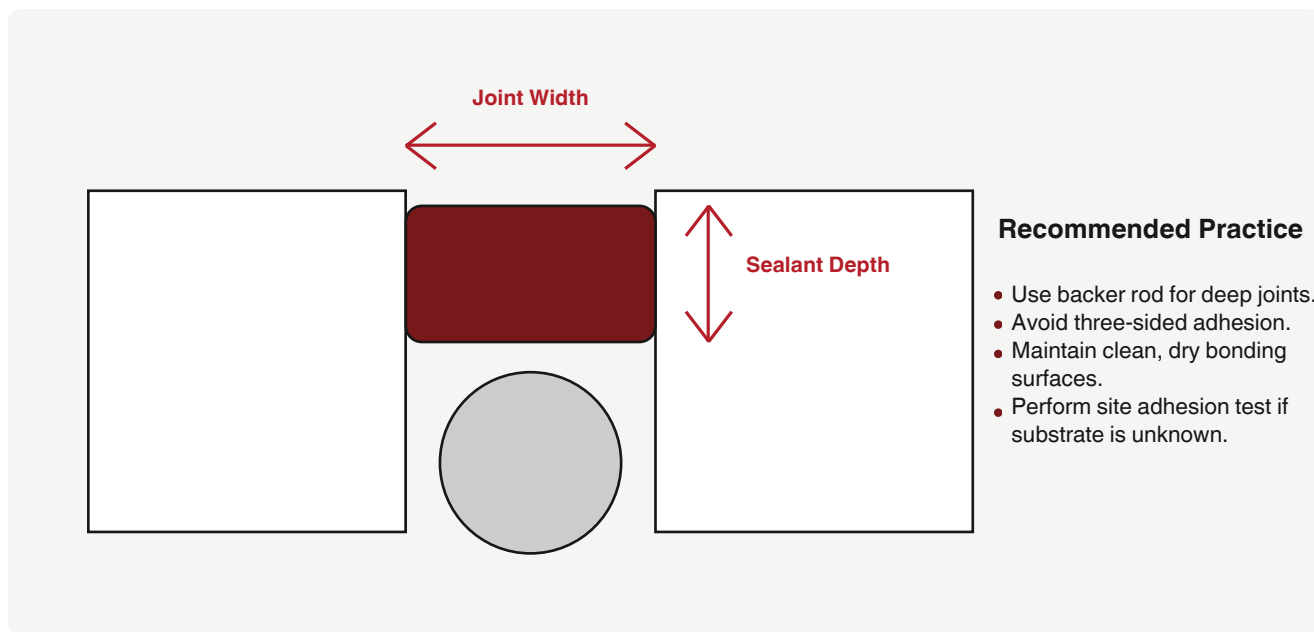
- 1. Surface Preparation** Surfaces must be clean, dry and free from dust, oil, grease, loose particles and old sealant residue.
- 2. Masking** Apply masking tape to both sides of the joint to achieve a clean and professional finish.
- 3. Cartridge Preparation** Cut the cartridge tip, attach nozzle and cut nozzle to the required bead size.
- 4. Sealant Application** Apply N100 continuously and evenly into the joint using a suitable caulking gun. Ensure complete contact with both sides of the joint and 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	N100
Product Type	Neutral Cure Silicone Sealant
Packaging	300 ml cartridge
Available Colors	Black, White, Clear
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 Type	Typical Positioning
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.



Built for Professionals

www.specsindustrial.ph

For product inquiries, technical support and dealer information

