



AKONASEAL® POLYURETHANE MASONRY JOINT SEALANT

Moisture-curing masonry and concrete texturized sealant

1. PRODUCT NAME

Akonaseal® Polyurethane Masonry Joint Sealant

2. MANUFACTURER

Bluestone Products™, a TCC Materials® company
2025 Centre Pointe Blvd., Suite 300
Mendota Heights, MN 55120 USA
Phone: 1.651.688.9116
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3. PRODUCT DESCRIPTION

Akonaseal Polyurethane Masonry Joint Sealant is a multi-purpose, moisture-cure sealant designed to meet the flexibility requirements of dynamically moving cracks and joints. This texturized, gray mortar-colored sealant is ideally suited for vertical concrete, stucco, or masonry applications.

Features and Benefits

- Ready to use (no mixing)
- Textured, gray mortar appearance
- Permanently flexible (±25%)
- Extended life expectancy
- Excellent adhesion and durability
- Construction grade
- Waterproof and weather resistant
- Paintable (latex paint recommended)
- Complies to ASTM C920, Type S, Grade NS, Class 25
- Federal Specification TTS-00230C, Type 1, Class A
- VOC compliant

When/Where to Use

- Vertical or horizontal joints
- Interior or exterior applications
- Maximum joint width: 1 in. (25 mm)
- Maximum joint depth: ½ in. (13 mm)
- Waterproofing of joints in brick, block, stucco, concrete, vinyl, wood, metal frames, aluminum, or roofing
- Threshold seals & foundation cracks
- Expansion & control joints

4. TECHNICAL DATA

Note: Test results obtained under controlled laboratory conditions at 75°F (24°C) and

Typical Values • Akonaseal Polyurethane Masonry Joint Sealant	
Skin Over Time	Approximately 24 hours
Foot Traffic Ready	Approximately 3 days
Full Cure	Approximately 7 days
Service Temperature Range	-40°F-180°F (-40°C-82°C)

50% relative humidity on typical joint of ½ in. W x ¼ in D. Reasonable variations can occur due to atmospheric and job site conditions.

Available Sizes

- 10.1 oz. (0.3 L) tube (BOM #104561)

Coverage

Each 10.1 oz. tube yields approximately 12 lin. ft. at ½ in. x ¼ in. joint (3.6 m at 13x6 mm)

5. INSTALLATION

Preparation

Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.

1. Always remove all loose and unsound materials. Thoroughly clean all surfaces of dirt, dust, grease, or other contaminants which could interfere with bonding.
2. For better adhesion, masonry and concrete surfaces should be dry, frost-free, and fully cured a minimum of 28 days.
3. Air and surface temperature should be between 40°F-100°F (4°C-38°C) for proper application and remain above 40°F for 72 hours after application. Do not apply if rain threatens or is predicted within 24 hours.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Application

1. Use cartridge in standard caulking gun. Trim cartridge tip at 45° angle to desired bead size. Puncture seal multiple times with a seal punch.
2. Use in joints of maximum width of 1 in. and depth of ½ in. If the gap is more than ½ in. deep partially fill with a closed-cell backer rod before filling with product. The maximum finished depth of Akonaseal Polyurethane Masonry Joint Sealant should be ½ the thickness of the width of the joint (2:1 width-to-depth ratio).
3. Fill joints from the bottom to avoid forming air voids. Dry tooling is recommended, do not use soapy water. Excess sealant can be removed with a sharp-edged tool. Remove thin films by abrading.

Curing

Product should be air-cured. Protect joints from traffic and debris for 72 hours. Reaches full cure in 7 days. (Lower temperatures and humidity can extend cure time). This sealant is paintable when fully cured (latex paint recommended). When using oil-based paint, check with the paint manufacturer first because some oil based paints do not dry well over polyurethane sealants.

Clean Up

Tools should be cleaned with a citrus or solvent-based cleaner before the product cures. Excess material may be cleaned with a damp cloth and/or mineral spirits. Avoid getting sealant on skin. Wash hands with soap and water.

Limitations

- Follow all industry standard safety procedures when handling, such as gloves and eye protection.
- Use opened cartridge the same day.
- Rigid paints/coatings (including epoxy coatings) over flexible sealants may result in a loss of adhesion of the paint/coating due to potential movement of the sealant.
- Porous substrates such as granite and marble may be stained by the sealant.
- Sealant is not recommended for immersion in water or any other liquid.
- Do not apply over freshly-treated wood (treated wood must be weathered for at least six months).
- Substrates such as copper, stainless, and galvanized may require a primer.

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com

Cautions

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Akona brand product(s) under normal environmental and working conditions. Because each project is different, TCC Materials cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

6. AVAILABILITY

To locate Akona products in your area, please contact:

Phone: 1.651.688.9116
 Email: info@tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.



Shelf Life	Best when used within one year in original, unopened container.
Storage Conditions	Store dry, cool (40°F-<90°F/4°C-<32°C), out of direct sunlight.
Color	Gray
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	

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