



# AKONAFLEX® SELF-LEVELING CONCRETE REPAIR

One-component, self-leveling, smooth gray elastomeric sealant

## 1. PRODUCT NAME

Akonaflex® Self-Leveling Concrete Repair

## 2. MANUFACTURER

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

## 3. PRODUCT DESCRIPTION

Akonaflex Self-Leveling Concrete Repair is a one-component, construction-grade, polyurethane, moisture cure sealant designed to meet the flexibility requirements of dynamically moving joints. Self-leveling to result in a smooth, gray finish which is foot-traffic ready after 3 days and will reach full cure in 1 week. Self-Leveling Concrete Repair can be used to seal horizontal expansion joints in concrete slabs, driveways, sidewalks, decks, pitch pans, pavers, garage floors, industrial floors, and other concrete surfaces. Its premium construction-grade components give you a strong, durable, flexible waterproof seal.

### Features and Benefits

- Foot-traffic ready after 3 days
- Full cure after 1 week
- Ready to use (no mixing)
- Permanently flexible (±25%)
- Self-leveling (no tooling required)
- Puncture and abrasion resistant
- Superior adhesion
- Waterproof & paintable (latex)
- Complies to ASTM C920, Type S, Class 25, Use T, M
- Federal Specification TTS-00230C, Type 1, Class A
- VOC compliant

### When/Where to Use

- Interior and exterior concrete surfaces
- Fills cracks and expansion joints
- Maximum crack width: 1 in. (25 mm)
- Maximum crack depth: ½ in. (13 mm)
- Horizontal applications

## 4. TECHNICAL DATA

Typical Values • Akonaflex Self-Leveling Concrete Repair	
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)

### Available Sizes

- 10.1 oz. (0.3 L) tube (BOM #104562)
- 29 oz. (0.86 L) tube (BOM #120456)

### Coverage

- Each 10.1 oz. tube yields approximately 12 lin. ft. at ½ in. x ¼ in. joint (3.6 m at 13x6 mm)
- Each 29 oz. tube yields approximately 34 lin. ft. at ½ in. x ¼ in. joint (34 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, 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 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 or clean, dry sand before filling with product. The maximum finished depth of Akonaflex Self-Leveling Concrete Repair 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. Product will self-level to form a clean joint surface without tooling.

### 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.
- Akonaflex Self-Leveling Concrete Repair is not intended for continuous water immersion.
- High temperatures, and/or high humidity may cause uncured sealant to bubble, as well as when substrates are not absolutely dry or if applied to deep.

### Safety

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



<b>Shelf Life</b>	Best when used within one year in original, unopened container.
<b>Storage Conditions</b>	Store dry, cool (40°F-<90°F/4°C-<32°C), out of direct sunlight.
<b>Color</b>	Gray

**KEEP PRODUCT IN CONTAINER FROM FREEZING**

**WARNING: INJURIOUS TO EYES**

**KEEP OUT OF REACH OF CHILDREN**

©Copyright 2020 TCC Materials®



2025 Centre Pointe Blvd, Suite  
300, Mendota Heights, MN 55120

REV 10/20

TDS.AK.104562