AKONAFLEX™ Pro Self–Leveling Expansion Joint Filler

Elastomeric compound to create a waterproof seal in joints of horizontal concrete substrates

PRODUCT DESCRIPTION

Akonaflex™ Pro Self-Leveling Expansion Joint Filler is a superior-grade, one-component, urethane sealant and filler to be used in concrete joints as well as a wide variety of substrates. Its self-leveling characteristics provide a smooth finish which makes it ideal for filling cracks or gaps on horizontal surfaces such as concrete driveways, sidewalks, patios, concrete steps, garage floors, above ground foundations, and other concrete surfaces.

Akonaflex™ Pro fills expansion joints up to 1½ in. wide x 1 in. deep, and also contains a unique, specially-formulated technology which allows it to be exposed to water after only 2 hours without washing out. It will reach full cure after 24 hours. Won't crack or shrink and acts as an excellent waterproof seal.

WHEN/WHERE TO USE

- Interior and exterior concrete surfaces
- Fills cracks and expansion joints
- Maximum width of joint: 1½ in. (38 mm)
- Maximum depth of joint: 1 in. (25 mm)
- Horizontal applications

ADVANTAGES

- Water resistant after 2 hours
- Full cure after 24 hours
- Gray color
- Crack and shrink resistant
- Ready to use (no mixing)
- Paintable (water-based paint)
- Provides waterproof seal
- Superior adhesion
- Meets ASTM C719 and D412

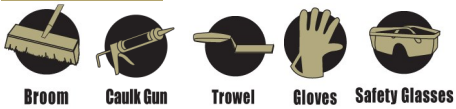
AVAILABLE SIZE

- 10.1 oz. (0.3 L) tube (BOM #104560)
- 29 oz. (0.86 L) tube (BOM #120440)

COVERAGE

- One 10.1 oz. tube yields approximately 12 lin. ft. at ½ in. x ¼ in. joint (3.6 m at 13x6 mm)
- One 29 oz. tube yields approximately 34 lin. ft. at ½ in. x ¼ in. joint (34 m at 13x6 mm)

Helpful Items:



TECHNICAL DATA

Refer to "Physical Performance Property " chart on page 2.

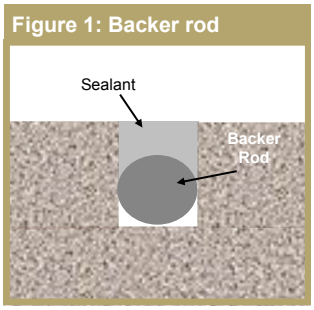
PREPARATION

Remove all loose or unsound materials prior to application. Remove all old sealant before applying. Thoroughly clean surface of dirt, dust, oil, grease, mildew, or other contaminants before using. Apply to dry, frost-free surfaces only for best bonding.

APPLICATION

- Trim cartridge to desired bead size. Use cartridge in standard caulking gun
- Use in joints of maximum width of 1½ in. and depth of 1 in. Deeper cracks can be partially filled with backer rod or clean sand (Figure 1).
- Repair can be tooled to even out the surface.
- Taping on each side of a crack can give finished joints a cleaner appearance (Figure 2).
- Excess material may be cleaned with a damp cloth and/or mineral spirits.

Figure 1: Backer rod



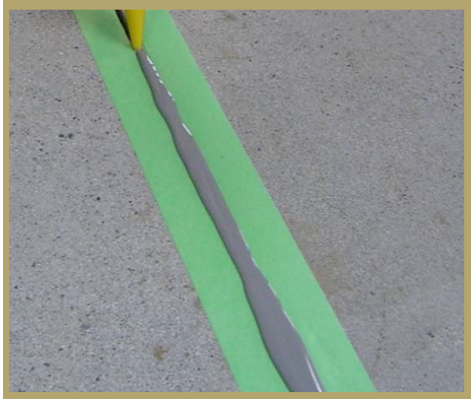
For Best Results: If the gap is more than 1 in. deep use a closed-cell backer rod before filling with Akonaflex™ Pro. Allow joint filler to cure for at least 2 hours before exposing to water; reaches full cure in 24 hours. (Lower temperatures and humidity can extend cure time.) Use water-based paints after full cure is reached. Store and use product between 40°F-100°F (4°C-38°C).

CLEAN UP

Tools should be cleaned with a citrus or solvent-based cleaner before the product cures. Avoid getting sealant on skin. Wash hands with soap and water.

Proper application and installation of all AKONA products are the responsibility of the end user.

Figure 2: Apply to taped joint



WARNING

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. Avoid skin and eye contact. KEEP OUT OF REACH OF CHILDREN.

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.

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AKONA MANUFACTURING, LLC
SPEC BLENDED CONSTRUCTION PRODUCTS

Elastomeric compound to create a waterproof seal in joints of horizontal concrete substrates

Physical Performance Property	Test Method	Typical Result
Weight per Gallon	Gardner Cup	13.0 +/- 2
Specific Gravity	Calculated	1.25 to 1.75
Total Non Volatile % of Solids (Weight	Computrac Analyzer	> 90%
Extrudability/Application (as packaged)	Semco Gun (6 oz. @ 50 psi)	Approx. 145 sec.
Consistency/Appearance	Visual Observation	Smooth, Viscous Paste
Odor	Subjective	Low
Base Polymer	Known	Silyl-terminated polymer/MS Blend
Pigment	Known	Calcium Carbonate / Titanium Dioxide
Flash Point	Closed Cup	>200°F (93°C)
Freeze/Thaw Stability	Test Lab 0°F/77°F @24 hrs or ASTM C731	Passes 5 cycles
Shelf Life	Lab 50°C Oven—Accelerated	Minimum 12 mo. @ 72°F (22°C) - unopened
Slump	ASTM D2202 Jig	None
Artificial Weathering	ASTM - QUV Tester	2,500 hrs. QUV—no cracking
Flexibility	ASTM 734	Excellent @ -15°F (-26°C)
Tack Free Time	ASTM C679 (max. 72 hrs.)	Approx. 90 min.
Storage Conditions	Test Lab	Cool & Dry (40° to 80°F)
Application Temperature	Test Lab	20°F to 120°F (-6° to 48°C)
Service Temperature	Lab Oven/QUV/Freezer/ OE Fence	-40°F to 200°F (-40° to 93°C)
Paintability	Test Lab/Field Evaluation	Excellent w/ most industrial & consumer paints; 2 hrs. drying (test prior to painting)
Stain & Color Change	ASTM C510 (no visible stain)	Passes
Elongation	ASTM D412	> 900%
Tooling	Test Lab	Caulk smoother or similar tool
Skin Formation	Test Lab	< 60 min.
Tensile Strength	ASTM D412	Approx. 188 psi
Total Joint Movement	ASTM C719	+/- 50%
Curing System	Known	Moisture Cure

KEEP FROM FREEZING

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

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