



Wet/Cold Concrete & Masonry Loc

High-performing anchoring adhesive for cold weather applications

1. PRODUCT NAME

Akona® Wet/Cold Concrete & Masonry Loc

2. MANUFACTURER

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

Akona® Wet/Cold Concrete & Masonry Loc is a two-component, non-sag, high-performance anchoring adhesive for use down to 15°F (-9°C). Great for bonding new concrete to existing concrete, repairing structural cracks in concrete surfaces, and adhering dowel bars and tie bars for full depth concrete repairs.

Features and Benefits

- Can be applied down to 15°F (-9°C)
- High-strength and fast-setting
- Dispenses easily—even in subzero temperatures
- Excellent adhesion
- Fits standard caulking gun
- Works on wet or damp environments
- Styrene free
- Non-sag

When/Where to Use

- Vertical and horizontal doweling
- Horizontal concrete or masonry repairs
- Concrete or masonry surfaces
- Repairs rough surfaces and holes
- Secures railings or posts

Available Sizes

10 fl. oz. tube

Coverage

10 oz. tube yields approximately 35 lin. ft. (10.67 m) at 1/8 in. x 1/8 in. (3x3 mm) line

4. TECHNICAL INFORMATION

Compressive Strength	Cure Time	15°F (-9°C)	50°F (10°C)	95°F (35°C)
Gel Time (60 Gram Mass)		50 min.	10 min.	4 min.
Compressive Yield Strength	7 day	5,930 psi	5,630 psi	3,450 psi
Bond Strength (Hardened to Hardened Concrete)	2 day	3,050 psi	3,020 psi	2,480 psi
Bond Strength (Hardened to Hardened Concrete)	7 day	3,210 psi	3,040 psi	3,090 psi
Bond Strength (Fresh Concrete to Hardened Concrete)	14 day		2,120 psi	

5. INSTALLATION

Preparation

Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application. Prepare any anchor holes required prior to placement. Surface to bond must be clean and sound. Remove any dust, dirt, grease, curing compounds, and other foreign matter by sandblasting, water blasting, or mechanical abrasion. For drilled holes and cracks, clean with a nylon bristle brush. Remove any standing water from hole. Surface temperatures must be between 15-95°F (-9°-35°C) for proper application. When ambient or material temperatures fall below 23°F (-5°C). The adhesive must be conditioned above 68°F (20°C) prior to use.

Mixing

Unscrew and remove both protective cap and plug from the cartridge. Insert the flow restrictor, attach the static nozzle mixer, and tighten the nut. Load cartridge into a standard caulking gun. Dispense a small amount on a paper towel until the color is uniform gray with no streaks. Discard this material. Do not reuse nozzles!

Application

Read all directions before starting work. Dispense product neatly with deliberate, slow, even pressure to allow proper blending of the resin and hardener in the nozzle. If work is interrupted, the mixer can remain on the cartridge until after the gun pressure has been relieved. Work quickly, once material hardens in the nozzle, a new nozzle must be used. Cartridge should remain upright to reduce the risk of material draining from the nozzle.

Bonding and repairs: Apply neatly and work into substrate. The glue line should not exceed 1/8 in. (0.3 cm).

Anchoring: dispense into the anchoring hole filling from the bottom up. The annular space around the bolt, dowel, or anchor should not exceed 1/8 in. (0.3 cm). Insert the bolt, dowel, rebar, or rod to be anchored, turning it slowly, making sure the rod is thoroughly coated. Adjust to the correct position with the stated working time. After insertion, the hole should be completely full. Excess resin should be visible on all sides of the rod. For horizontal applications, wedges should be used to center and support the rod during curing. Do not disturb until full cure time has passed. (Refer to curing table.)

Curing

The rate of cure is dependent on the amount of material used and the temperature at which it is applied. Refer to cure chart below:

Temperature	Working Time	Full Cure (Dry Concrete)	Full Cure (Damp Concrete)
15°F (-9°C)	50 min.	4 hr.	8 hr.
23°F (-5°C)	40 min.	3 hr.	6 hr.
41°F (5°C)	20 min.	90 min.	3 hr.
59°F (15°C)	9 min.	60 min.	2 hr.
77°F (25°C)	5 min.	30 min.	1 hr.
95°F (35°C)	3 min.	20 min.	40 min.

Clean Up

Use a mild solvent to clean any uncured product. Cured material can only be removed mechanically.

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

Limitations

- Rubber gloves and goggles are recommended safety Equipment
- For anchoring applications, concrete should be at least 21 days old prior to installation.
- Not recommended for any application where there may be a sustained tensile load, including overhead applications.
- Do not thin with solvents.

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	KEEP FROM FREEZING. Store in original, unopened container, away from moisture, and out of direct sunlight. Store dry at 40°F-95°F (4°C-35°C)
Color	Gray

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN



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