



# CONCRETE BONDING ADDITIVE

Improves strength, adhesion, abrasion and freeze-thaw resistance

## 1. PRODUCT NAME

Akona® Concrete Bonding Additive

## 2. MANUFACTURER

TCC Materials®  
2025 Centre Pointe Blvd.  
Mendota Heights, MN 55120 USA  
Phone: 1.651.688.9116  
Web: tccmaterials.com

## 3. PRODUCT DESCRIPTION

Akona Concrete Bonding Additive is an acrylic cement modifier that dramatically improves strength, adhesion, abrasion resistance, and freeze-thaw resistance. Ideally suited for use with non-modified sand, mortar, cement mixes and selected Akona Repair Products. Concrete Bonding Additive produces a patch that will adhere to old concrete and provides the adhesion required for thin overlays.

### Features and Benefits

- Enhances strength
- Improves adhesion
- Increases durability
- Provides superior freeze-thaw resistance

### When/Where to Use

- Interior and exterior applications
- Add to concrete and sand mixes
- Add to mortar and cement mixes
- Add to repair and patching materials

## 4. TECHNICAL DATA

Akona Concrete Bonding Additive is formulated of fine quality ingredients. It is carefully blended and quality controlled.

### Available Sizes

- 1 qt. (0.95 L) bottle (BOM #102658)
- 1 gal. (3.8 L) bottle (BOM #102659)

### Coverage

Use as a liquid replacement in place of water according to the following table:

Liquid Addition (Water or Concrete Bonding Additive)		
Concrete Mix Bag	Starting Liquid	Do Not Exceed
60# (27 kg)	2 qt. (2.9 L)	3 ½ qt. (3.3 L)
80# (36 kg)	3 qt. (2.8 L)	4 ½ qt. (4 L)
Sand Mix Bag	Starting Liquid	Do Not Exceed
60# (27 kg)	3 qt. (2.8 L)	4 ½ qt. (4 L)
80# (36 kg)	4 qt. (3.8 L)	6 qt. (5.6 L)
Mortar Mix Bag	Starting Liquid	Do Not Exceed
60# (27 kg)	4 qt. (3.8 L)	5 qt. (4.7 L)
80# (36 kg)	5 qt. (4.7 L)	6 qt. (5.6 L)

## 5. INSTALLATION

### Preparation

Read all directions before starting work.

- Prepare surfaces per manufacturers instructions of the cement, concrete or masonry product being used. Proper surface preparation is crucial to achieving a successful application.

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

### Mixing

- Slowly stir product before use. Do not create bubbles or foaming by shaking the product.
- In most cases, use Concrete Bonding Additive in place of water when mixing or follow packaged product manufacturer instructions for proper ratio.
- Protect liquid from freezing. If frozen, thaw out slowly. Gently stir material to remix. If liquid is not smooth, DO NOT USE.

### Application

When used as an additive with concrete mixtures, apply only to surfaces that are frost free and above 40°F (4°C) and below 100°F (38°C) within 24 hours of application and 72 hours thereafter. Do not apply in direct sunlight or hot, windy days or when rain is forecasted within 24 hours. Protect new surfaces from use until material is completely hard and set.

### Curing

Follow manufacturers instructions for the cement, concrete or masonry product being used.

### Clean Up

Typically water will satisfactorily clean tools immediately after using Concrete Bonding Additive. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools. Hardened concrete mixtures require mechanical removal.

### Limitations

- Follow all industry standard safety procedures when handling, such as gloves and eye protection.
- Do not allow unused bottle of product to freeze. Store dry at 40°F-95°F (4°C-35°C).
- Best when used in non polymer-modified mixes.

### 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 bottle.
Storage Conditions	Store dry, 40-95°F (4°-35°C), out of direct sunlight, in tightly sealed original labeled container.
Color	Milky white liquid, dries to clear.
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	