

Product Description

Akona® Crack-Resistant Surface Bonding Cement is a specially formulated multi-use product. It can be used to build and restore retaining walls or block walls, patch large vertical holes where non-sagging cement is a must, or repair deteriorated stucco. Because it contains special fibers it will not shrink, crack, or sag on a vertical repair. Provides additional overall strength vs. conventional concrete.

When/Where to Use

- Repair deteriorated concrete walls
- Patch deep vertical holes
- Restore damaged concrete, masonry and stucco
- Bonds dry-stacked masonry walls

Advantages

- Moisture resistant
- Glass fiber reinforced for durability
- High strength
- Controls shrinkage, cracking, & sagging on vertical repairs
- Just mix with water and use

Available Sizes:

50lb. Bag

Preparation

Remove all loose or unsound materials. Thoroughly clean surface of dirt, dust, grease or other contaminants before building or restoring walls. **PRE-WET SURFACE JUST PRIOR TO APPLICATION OF PRODUCT.**

Mixing

Use approximately 1 ½ gallons of clean, cool water per bag. Mix complete contents of the bag in a wheel-barrow, bucket, mortar box or mechanical mixer. Mix product thoroughly to achieve a stiff, putty-like consistency. Avoid high speed mechanical mixing which can entrap air into the mixture. If the product becomes firm before application, re-mix to proper consistency. If required, add additional water sparingly. Optional: For improved strength, durability and adhesion use Akona® Concrete Bonding Additive in place of water.

Application

For best results, do not apply when temperatures drop below 40° F within 48 hours of application. Dampen the wall surface prior to applying product with a water spray. If the wall becomes dry before application of product, re-wet the wall. The dampened walls are important in establishing a strong bond.

Patching or Filling Holes in Concrete/ Masonry Walls & Stucco Repair:

Akona® Crack-Resistant Surface Bonding Cement is ideally suited for patching or filling holes in concrete or masonry walls, as well as, repairing cracks or filling openings in stucco walls. Deep repairs may require applying product in multiple lifts or layers. Make sure to wet surface area between applications of product. When troweling, be sure to clean the surface of the trowel often with water and use a “light touch” when finishing the surface. Do not over trowel. Protect the surface from use until patch is completely hard and set. Clean up with soap and warm water as soon as application is completed.



Bonding Dry-Stack Segmental Retaining Walls & Masonry Walls:

- Footings or Foundations: The secret to sound structure is a strong level foundation. A level and properly aligned footing makes the stacking and troweling much easier. Footings must be built below the frost line and should be twice the thickness of the blocks used. Consult your masonry supplier for information about footings and slab construction.
- Dry-stacking Masonry Units: Lay the first course of masonry units in a full bed of Akona® Crack-Resistant Surface Bonding Cement. Make sure this course is straight and level. Dry-stack masonry units in a staggered or running bond pattern for strength. As you place masonry units in position, slide it against the masonry units below to smooth out any roughness. Akona® Crack-Resistant Surface Bonding Cement can be used between masonry units to maintain a level and properly aligned wall. The better you are in maintaining a level and aligned wall, the stronger and more attractive your finished



Helpful Items:



wall will be. Dry-stack the rest of the wall before applying the Akona® Crack-Resistant Surface Bonding Cement to both sides of the wall. Apply product with a trowel in upward strokes, maintaining a uniform thickness of at least 1/8". Do not over-trowel.

Helpful Tips

- When applying over previously coated and non-porous surfaces it is recommended to use 1 gallon Akona® Concrete Bonding Additive and approximately ½ gallon water per bag.
- For extra difficult restoration and waterproofing projects, 1 ½ gallons of Akona® Concrete Bonding Additive is recommended.
- Curing: Like other cement based materials, Akona® Crack-Resistant Surface Bonding Cement gets most of its strength within 24 hours after application. It is imperative to keep the new surface area damp for at least 2 days. Wetting the walls once or twice daily with a fine mist

will ensure proper curing for strength. Hot, windy or dry conditions may require more frequent wetting. Wet curing may be minimized when using Akona® Concrete Bonding Additive.

Coverage

50 sq. ft. at 1/8" thickness

Clean Up

Typically water will satisfactorily clean tools after using Crack-Resistant Surface Bonding Cement. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools.

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, express or implied, including, but not limited to, those including 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 at no point for any particular project shall exceed the total purchase price of said product

WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

PRECAUTIONS:

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Keep out of reach of children.

