PRODUCT DATA

A-B-C®

Asbestos Binding Compound

DESCRIPTION

Product No.: 6421 Off-White, 6422 Clear (when dry), 6423 Green

A-B-C Asbestos Binding Compound is a high solids asbestos encapsulant, designed to encapsulate and seal friable Asbestos Containing Material (ACM) such as fireproofing and insulation materials. A-B-C is an important tool for coping with the health hazards associated with exposure to asbestos fibers. In 1978, A-B-C was tested for the EPA by Battelle Laboratories of Columbus, Ohio, and found to meet the requirements for the effective encapsulation and removal of ACM. In addition, A-B-C received German approval following a thorough evaluation conducted at the University of Brunschweig. The high solids, nonflammable composition of A-B-C allows for dilution with water to provide maximum flexibility for specific asbestos abatement needs, including removal/lockdown, penetrating encapsulation and bridging encapsulation. Since 1978, A-B-C has provided exceptional long lasting performance in asbestos abatement applications worldwide.

PROPERTIES

- **Solids by weight:** 60 ± 2%
- **Volatile:** Water
- **Average particle size:** 0.2 microns
- **Viscosity @ 77˚F:** 60-65 Krebs Units
- **Weight per gallon @ 77˚F:** 9.1 ± 0.2 lbs/gal
- **Film Hardness:** Excellent
- **Film Flexibility:** Excellent
- **Impact Resistance:** Excellent
- **Water resistance of dry film:** Excellent
- **Bridging effectiveness:** Excellent
- **Bond strength to concrete/steel:** Excellent
- **Coverage:** 50-100 sq. ft./gal (depending on the porosity of substrate and type of application)
- **Flash point:** Tag Closed Cup, Non-combustible (water based)
- **Dry Time @ 77°F, 50% R.H.:** To touch 1-2 hours
  Full cure, 12- 24 days.
- **Shelf Life @ 77˚ F:** 36 months minimum (in original factory sealed containers)
- **Odor:** Virtually odorless
- **Finish:** Moderate gloss
- **Fire rating ASTM E84:** Class "A"
  (Southwest Research Institute)

Flame Spread:	10
Fuel Contribution:	10
Smoke Density:	5

- **Packaged:** 5 and 55 gallon containers

APPLICATION INFORMATION

PREPARATION

Prior to application it is important to determine if the existing asbestos matrix is well-adhered to the substrate. Correct any surface defects and clean all surfaces thoroughly. Be careful not to agitate asbestos fibers during preparation; this could increase asbestos exposure. Stir A-B-C thoroughly to achieve a uniform consistency. A-B-C may be diluted with water for different applications.

APPLICATION

ENCAPSULATION: **PENETRANT:** For most fibrous asbestos applications such as "cotton candy" style fireproofing or compressed acoustic material less than 2 inches thick, add 1 part water to 1 part A-B-C. Using the proper spray equipment settings listed below, apply A-B-C to the Asbestos Containing Material (ACM) until saturated. Multiple passes may be required, allowing time between passes for dissipation of the solution into the matrix. Full saturation is achieved when the ACM will not absorb any more of the encapsulant into the matrix. Coverage, depending on thickness and porosity of the material, can vary between 50 - 75 sq. ft./gal.

(Over)

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APPLICATION INFORMATION

BRIDGING AGENT: Apply A-B-C at full strength with an airless sprayer in accordance with the settings listed below. Hold the spray gun perpendicular to the Asbestos Containing Material (ACM) with the tip of the gun between 12 and 18 inches from the surface. **Coverage** should be between 75 - 100 sq. ft./gal. When A-B-C is applied before the penetrating coat dries, additional capillary action and bonding cohesive strength will be achieved. According to the EPA, asbestos encapsulants should be applied until a minimum dry film thickness of 20 mils is achieved.

REMOVAL / LOCKDOWN

Removal is recommended for loosely adhered ACM. Mix 4 parts water to 1 part A-B-C and apply to ACM. A-B-C will facilitate removal by penetrating into the ACM and by keeping it moist and sticky. After the ACM has been removed, apply 1 part A-B-C diluted with 1 part water to seal residual fibers left on substrate.

Application Equipment: Professional models of all brands of spray equipment can be used to successfully apply A-B-C. Use the settings below when applying A-B-C:

Penetrating:	Bridging:	Removal/Lockdown:
Pressure: 1300 - 1400 psi	Pressure: 2200 - 2300 psi	Pressure: 2200 - 2300 psi
Hose length: 100 feet	Hose length: 100 feet	Hose length: 100 feet
Hose diameter: 1/4 inch	Hose diameter: 1/4 inch	Hose diameter: 1/4 inch
Tip/orifice size: .017 - .021	Tip/orifice size: .017 - .019	Tip/orifice size: .015 - .025
Fan size: 12 inches	Fan size: 12 inches	Fan size: 12 inches

DRYING TIME

Drying time will vary based on thickness and porosity of the ACM being encapsulated. Under normal drying conditions (77° F @ 50% R.H.), A-B-C dries to the touch in 1 to 2 hours.

CLEANUP

Tools and drippings should be cleaned with warm soapy water before coating dries. Follow equipment manufacturer's directions to clean spray equipment. Dispose of all waste according to current Local, State and Federal regulations.

SHIPPING AND STORAGE INFORMATION

Shelf Life: 3 years in sealed containers
Storage Temperature: Keep from freezing. Store at 40°F - 100°F in a cool dry place.
Flash Point: None

KEEP FROM FREEZING - PROFESSIONAL USE ONLY
DO NOT TAKE INTERNALLY - KEEP OUT OF REACH OF CHILDREN
24 hour Emergency "CHEM-TEL" Phone: 1-800-255-3924

Close container after each use. Store in a dry place at temperatures between 40°F and 100°F. Approved respirators must be used to prevent inhalation of asbestos fibers that may be present in the air. Protective clothing should be worn. **Refer to the Material Safety Data Sheet (MSDS) available from your distributor or at www.fiberlock.com for further safety and handling instructions.**

Careful consideration should be given to all EPA, OSHA, and State regulations in effect at the time of application of A-B-C. The EPA, through the Office of Pesticides and Toxic Substances, has issued a report headed "Guidance for Controlling Friable Asbestos Containing Materials in Buildings", EPA 560/5 85-024 June 1985, containing the proper data, cautions, and procedures for asbestos control. Copies are available from: TSCA Industry Asst. Office, EPA TS-799, 401 M Street SW, Washington, DC 20460, (202) 554-1404.

DISCLAIMER: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Fiberlock Technologies, Inc., nor its agents shall be responsible for the use of this product or any procedures or apparatus mentioned. We recommend that the prospective user determine the suitability of A-B-C for each specific project and for the health and safety of personnel working in the area.

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.