

ABC

Asbestos Encapsulant/Sealant

Product Description

6421-Off White, 6422-Clear, 6423-Green

ABC Asbestos Binding Compound is a high solids asbestos encapsulant/sealant, designed to encapsulate friable Asbestos Containing Material (ACM) such as fireproofing and insulation material. ABC is an important tool for coping with the health hazards associated with exposure to asbestos fibers. In 1978, ABC was tested for the EPA under contract #68-03-2552-T2005 by Battelle Laboratories of Columbus, Ohio, and found to meet the requirements for the effective encapsulation and removal of ACM. The high solids, nonflammable composition of ABC allows for dilution with water to provide maximum flexibility for specific asbestos abatement needs, including lockdown/removal, penetrating encapsulation and bridging encapsulation. ABC is also an effective tool for controlling the documented health hazard of exposure to asbestos fibers found present in soil.

Application Information

SURFACE PREPARATION

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 you family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

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 ABC thoroughly to achieve a uniform consistency. ABC may be diluted with water for different applications.

APPLICATION TOOLS

Professional models of all brands of airless spray equipment can be used to successfully apply ABC. Use the settings below when applying ABC:

PENETRATING

Pressure: 1300 - 1400 P.S.I.

Tip: .017 - .031

BRIDGING

Pressure: 2200 - 3000 P.S.I.

Tip: .017 - .023

REMOVAL/LOCKDOWN

Pressure: 2200 - 2300 P.S.I.

Tip: .015 - .025

PRODUCT APPLICATION

ENCAPSULATION INSTRUCTIONS

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 ABC. Using the proper spray equipment settings listed, apply ABC to the 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.

BRIDGING AGENT- A qualified asbestos professional should determine the necessary dry film thickness for individual abatement projects. The necessary dry film thickness of a bridging encapsulant for asbestos containing materials (ACM) will vary from project to project as ACM can have a wide range of characteristics, including density, porosity, and surface profile. In the EPA's Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA 560 / 5-84024, June 1985), the primary instruction regarding dry film thickness states that when encapsulating ACM,

Properties

Product Specifications

Solids by Weight ± 2%:	51.4%
Solids by Volume ± 2%:	44.0%
Viscosity at 70°F:	60-75 Krebs units
Specular Gloss:	82° ± 5 @ 60°
Flash Point:	Non-combustible
Shelf Life:	36 Months Min. (Original Sealed Container)
Calculated VOC:	56-64* grams/liter

*ABC Calculated VOC dependent on color

ABC complies with the requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

Coverage

Smooth Surfaces:	50-100 ft ² /gal
Porous Surfaces:	50-75 ft ² /gal

Drying Times (@ 70 - 77°F, 50% R.H.)

To Touch:	1-2 hours
To Recoat:	12-24 hours
Minimum Application Temp:	50° (10°C)

Available Package Sizes

5 gallon containers	
Weight Per Gallon ± .5 lbs:	9.6 lbs/gal

Product Testing

Fire Rating:	ASTM E84 Class A
Flame Spread:	10
Fuel Contribution:	10
Smoke Density:	5
Test Facility:	Southwest Research Institute



Application Information

the coating is to be applied "considerably thicker than recommended for painting. Coverage should be no more than 100 sq. ft. per gallon and should create a continuous, unbroken coating" (Section 5.1.3, page 5-8).

For bridging applications, apply ABC at full strength with an airless sprayer in accordance with the settings listed below. Typical bridging applications are applied at a coverage rate of 75-100 sq. ft./gallon, which yields a dry film thickness between 6-10 mils on hard, cementitious ACM. For more information, contact Fiberlock or visit our website for the complete Specification for ABC.

REMOVAL/LOCKDOWN

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

SOIL ENCAPSULATION INSTRUCTIONS

PENETRANT – For encapsulation of soil contaminated with asbestos, mix one part ABC with one part water. Apply as a penetrating encapsulant to increase the dimensional stability of the soil, while reducing its porosity. For heavy clay or hard packed soils, the dilution rate may need to be increased to 2 parts water to one part ABC to improve penetration. Porous soils, such as those with high sand or gravel content, may require more product per square foot, or multiple applications of penetrating encapsulant solution.

BRIDGING AGENT – Apply ABC full strength as a bridging encapsulant. Dry film thickness and application rate should be determined by a qualified asbestos professional as appropriate to the project site and goals.

COVERAGE

Coverage depends on thickness and porosity of the material.

Penetrant: 50-75 ft² per gallon

Penetrant (Soil): 30-35 ft² per gallon

Bridging Agent: 75-100 ft² per gallon

Bridging Agent (Soil): 75-100 ft² per gallon

DRYING TIME @ 70°F 50% R.H

Drying time will vary based on thickness and porosity of the ACM being encapsulated.

To Touch – 1-2 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.

PRECAUTIONS

Store in a dry place at temperatures between 40°F (4.5°C) and 90°F (32°C). Approved respirators must be used to prevent inhalation of asbestos fibers that may be present in the air. Protective clothing should be worn. When applying with a sprayer, wear a NIOSH approved respirator with any R, P,N or HE filter.

Careful consideration should be given to all EPA, OSHA, and State regulations in effect at the time of application of ABC. 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.

CAUTION!

KEEP OUT OF REACH OF CHILDREN.

Do not take internally. Close container after each use.

Keep from freezing

Store between 40°F (4.5°C) and 90°F (32°C)

24 hour Emergency "CHEM-TEL" - 800.255.3924

For Technical Information call 800.342.3755

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 or results of use of this product or any injury, loss or damage, direct or consequential. We recommend that the prospective user determine the suitability of this product for each specific project and for the health and safety of personnel working in the area.

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