



## PROPERTIES

### COLOR:

32-21: Blue

32-22: Untinted

Other colors available on special order.

### TYPE:

Acrylic copolymer

### VOLATILE:

Water

### WEIGHT PER U.S. GALLON (ASTM D1475):

8.5 lbs. (1.02 kg/l)

### APPLICATION CONSISTENCY:

Airless spray

### ODOR:

Mild when wet; none when dry

### AVERAGE COVERAGE RANGE:

Subject to the thickness, absorbency and nature of the asbestos containing material (ACM) being encapsulated.

As an Encapsulant:

2 – 10 gal./100 sq. ft. (0.82 – 4.07 l/m<sup>2</sup>), applied in 2 coats of  
1 – 5 gal./100 sq. ft. (0.41 – 2.03 l/m<sup>2</sup>) each.

As a Lockdown (see application guide):

Spray tests should always be conducted to determine actual on-the-job coverage rates, ideally duplicating the anticipated project application mechanics and environment.

### SERVICE TEMPERATURE LIMITS:

Temperature at coated surface of encapsulated ACM.  
-20°F to 250°F (-29°C to 121°C)

### WET FLAMMABILITY:

No flash to boiling, 205°F (96°C)

### SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 15

Smoke Developed: 0

Applied to 1/4 inch (6.35 mm) inorganic reinforced cement board at a coverage rate of 10 gal./100 sq. ft. (4.07 l/m<sup>2</sup>).

### SURFACE FLAME SPREAD (ASTM E162):

Flame Spread: 5

Applied to 1 inch (25.4 mm) sprayed mineral wool insulation.

The flame spread may vary at different product thicknesses and/or when applied over surfaces other than inorganic reinforced cement board and sprayed mineral wool insulation.

## FOSTER® PROTEKTOR® SEALANT



**FOSTER® PROTEKTOR® SEALANT** is a single-component, penetrating encapsulation coating for abating asbestos fiber fallout (retention method).

**FOSTER® PROTEKTOR® SEALANT** penetrates deeply into the asbestos containing materials, and then dries to form a firm, lightweight, damage-resistant surface.

**FOSTER® PROTEKTOR® SEALANT** has been extensively tested by Battelle Columbus Laboratories and is on the list of products deemed acceptable by the U.S. Environmental Protection Agency.

**FOSTER® PROTEKTOR® SEALANT** is produced under the classification and follow-up service of Underwriters Laboratories, Inc. It meets NFPA 90A and 90B 25/50 requirements.

### LIMITATIONS

As an Encapsulant – do not store or apply below 40°F (4°C) or above 100°F (38°C). Protect from freezing until dry.

As a Post Removal Residual Encapsulant – do not store or apply below 40°F (4°C). Do not apply to surfaces operating at, or intended to operate at, temperatures in excess of 250°F (121°C).

### ENCAPSULANT MATERIALS FIRE RESISTANCE CLASSIFICATION



For use with classified sprayed fiber or cementitious mixtures at an application rate of not less than 10 sq. ft./gal. Ability of this material to act as a sealant has not been investigated. See UL Fire Resistance Directory.

82P5

+ These products have been tested for the U.S. EPA and found to satisfactorily seal asbestos insulation under restricted conditions. This does not constitute an endorsement or recommendation by the EPA.

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# **APPLICATION GUIDE FOR FOSTER® PROTEKTOR® SEALANT 32-21/32-22**

## **MATERIAL PREPARATION**

Stir well. Do not use sticks, boards or anything that would splinter or otherwise contaminate the product. DO NOT THIN.

## **SITE PREPARATION**

As a minimum, follow all procedures outlined by Federal, State and Local Authorities regulating asbestos abatement projects and the wastes generated therein.

## **APPLICATION – AS AN ENCAPSULANT**

Assess the adhesive/cohesive strength of the intended matrix to ensure sufficient integrity to accept the added weight of the encapsulant in the wet state using methodology based on ASTM E736. Once the integrity of the intended matrix is assured, in an aesthetically unsensitive area, conduct a penetration test. Apply FOSTER® PROTEKTOR® SEALANT to the candidate matrix using a trigger-type spray apparatus or garden sprayer and saturate the matrix. Since absorption is a time related phenomenon, multiple passes are required, allowing time between passes for the dissipation of the encapsulant into the matrix. Full saturation is defined as the point where a given ACM will not, under the particular circumstances, absorb any more encapsulant into the matrix. Waiting no less than 8 hours, nor more than 24 hours, a second application of encapsulant is made to the same area in the same manner until full saturation is achieved for a second time. After allowing for full cure of the applied matrix, secure a core sample and evaluate for depth of penetration. Submerge the core sample in water for four hours. Remove the sample from the water and with a pointed instrument, starting from the substrate end of the core, scrape the plug removing those segments not solidly bound by the encapsulant. The remaining plug length is the effective depth of penetration. NOTE: If the candidate matrix shows any indication of loss of adhesion to the substrate or cohesive strength, or if the FOSTER® PROTEKTOR® SEALANT fails to achieve any level of penetration, it must be assumed that the candidate matrix is not suitable for encapsulation. Having determined that the candidate matrix is a viable recipient, apply the first coat of FOSTER® PROTEKTOR® SEALANT to the intended matrix (using airless spray as indicated below) until saturation is achieved. Multiple passes at varying intervals may be required. Wait no less than 8 hours or more than 24 hours and apply a second coat in the same manner as the first.

## **APPLICATION – AS A LOCKDOWN**

Apply FOSTER® PROTEKTOR® SEALANT using airless spray equipment as indicated below, directly to the exposed substrate from which the ACM has been removed in a continuous manner at an application rate of 400 – 600 sq. ft./gal (9.8 – 14.7 m<sup>2</sup>/l) (steel surface). Porous or uneven surfaces may require additional material. CONSULT APPLICABLE OSHA AND EPA REGULATIONS.

## **FLOORS**

FOSTER® PROTEKTOR® SEALANT is not suggested as a floor traffic coating. It may be used on floors provided that a new floor surfacing material is installed over it. Flooring installers must determine by their own tests that any mastic, adhesive or cement they plan on using is compatible with, and bonds firmly to, the dried FOSTER® PROTEKTOR® SEALANT.

## **SPRAY EQUIPMENT**

High output, electric, airless spray equipment is ideal, but pneumatic or hydraulic can be used. FOSTER® PROTEKTOR® SEALANT can be applied with virtually any type of airless spray equipment on the market today capable of spraying water-based paint. Pressure settings should be set as low as possible while still achieving atomization. Average viscosity range: 5 – 20 cps.

## **CLEAN UP**

Use fresh water to clean equipment before product dries. Dry product may be removed with hot soapy water or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).

## **CUSTOMER SERVICE: (833) 849-3700**

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

**For professional use only. Keep out of reach of children.  
Consult Safety Data Sheet and container label for further information.**