



Intumescent Monthly

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A monthly report of products, projects and ideas for Albi fireproofing application

Albi Product Training

Last month's training sessions took place in Salt Lake City, UT, Portland & Lewiston, ME, Orlando, FL and Albany, NY. The Lewiston session was attended by over 30 people including the state fire marshal's office and local building officials. The Salt Lake City session involved Albi Clad 800 application training at the steel fabricator's facility as well as a mock up for a sizable project. If you are interested in an Albi training session, please contact Ted Koch at 860-828-0571 x245 or tkoch@albi.com

Albi is pleased to announce new additions to our sales and support staff. Steve Mercier of Unified Architectural in Moncton, NB, Canada is now covering the Canadian Maritime provinces. Dale Hahn of Results Sales and Service, LLC and his team are now representing Florida.

Albi DriClad Friction Fitted Noggings

We have had many questions over the years about how a wide flange column or beam is encased in Albi DriClad. The key is in the friction fitted noggings.

The photo on the left shows the beams and floor deck that need to be fireproofed.

The center photo shows the friction fitted noggings tucked into the web area of the wide flange beam. DriClad is then cut to size and attached to the noggings on each side of the beam using [Albi Screws](#). The bottom piece is then cut and friction fitted between the two side pieces. [Albi Screws](#) permanently attach both sides to the bottom piece.

The photo on the right shows the finished beams and floor deck. The DriClad is attached to the concrete floor deck with welded pins and washers. Powder actuated pins and washers could also be used in this situation. Both methods are approved by Underwriter's Laboratories. These fireproofed beams and floor deck will be painted black.



For more info, click here: <http://albi.com/files/products/DriClad/DriClad%20Typical%20Installation%20Details.pdf>

Albi Clad 800 News

We have reduced the VOC content of Albi Clad 800 to 145 g/L. See the updated GHS Safety Data Sheet:

<http://albi.com/files/products/AC800/800%20MSDS%20Sheet%20815.pdf>

Albi Fire Retardant Coatings

Often times a customer will ask about the difference between fire retardant and fireproof. The function of fire retardant coatings is to protect the surfaces to which they are applied against the ravages of fire in accordance with the E-84 test standard. When applied to combustible surfaces, fire retardant coatings sharply limit the flame spread, fuel contributed and smoke development that would otherwise occur if surfaces underwent fire exposure without a protective coating. A fireproof coating means that the substrate will not burn or lose structural integrity in a fire for a certain period of time in accordance to the ASTM E-119 test standard. Additionally, fireproof products also act as a fire retardant. Fireproof products also In addition to our fireproofing products, Albi has three fire retardant coatings.

[Albi Cote FRL](#) is our water-based, interior intumescent fire retardant paint. FRL provides a Class A rating with the most efficient coverage rate (one coat at 225 sq. ft./gallon) of any UL listed fire retardant paint. It has a flame spread of 25 or less and smoke development of 50 or less. Competitive fire retardant paints typically require two coats at 100 to 150 sq. feet/gallon per coat for a Class A rating.

Albi Cote FRL is recommended as a decorative interior finish for the protection of combustible wall and ceiling surfaces such as wood, fiberboard, plywood, particle board, etc. and as supplementary low flame spread and low smoke density protection when applied to plaster, gypsum wallboard, cinder block, etc. Albi Cote FRL is specially designed for application to combustible areas of public assembly such as restaurants, nursing homes, schools, corridors, stairwells, etc., where odor-free, quick drying features are desired.

[Albi Cote 144](#) is a solvent based fire-inert alkyd coating, available in a semi-gloss finish. Designed for use on noncombustible surfaces and as a topcoat for fire retardant coatings, it minimizes the potential fire hazard of conventional paints. Applied like conventional paint, this durable coating provides a wear-resistant surface with excellent wash ability, without affecting the fire rating of the substrate to which it is applied. Albi 144 is available in a wide range of deep color hues on special order.

[Albi Cote 107A](#) is a solvent based synthetic coating. Recognized as the “standard of the industry,” Albi 107A provides excellent fire retardant properties due to its special formulation of intumescent components. Designed for maximum protection of all combustible or noncombustible surfaces, it reacts to flame or heat at 300 degrees F by foaming into a thick cellular isolative blanket. This carbonaceous foam sharply limits the spread of flame and insulates the surface to which it is applied. Albi 107A reduces smoke development to low levels, critically important in assuring rapid escape from fire. Applied like conventional paint, this intumescent coating provides excellent durability and wear resistance, evidenced by wash, leaching and scrub ability tests.

Recommended Uses

Interior Applications: Combustible surfaces such as wood framing and paneling, trim, doors, cellulose fiber tile, insulation board and decorative displays. It can also be applied to noncombustible surfaces such as plaster and masonry corridors, stairwells, electrical control panels, supplementary protection to metal ducts and fire dampers.

Exterior Applications: Albi 107A may be used for exterior applications by over coating with Albi 144 Fire-Inert Semi-Gloss Finish Coating to provide effective weather ability characteristics. Weatherometer test exposures of the Albi 107A/144 system for 1000 hours (equivalent to 3 years) of exterior exposure have shown excellent durability with no significant loss in fire protection.

For more detailed information, please refer to the product data sheets on the website.

We at Albi and StanChem would like to wish everyone a safe and happy holiday!

