



Albi

THE ORIGIN OF
FIREPROOFING

Intumescent Monthly

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

Greetings! This is the first edition of our monthly newsletter. Our goal is to provide you with any and all company information, as well as the latest news from the world of fireproofing.

Being our first edition, we thought it would be helpful to give a quick rundown of our product line:

Albi Clad TF is a water-based thin film intumescent fireproof material for use on interior structural steels. It is UL classified for up to 3-1/2 of protection. This hard, durable, abrasion resistant product provides a smooth, aesthetic finish. Because of its water-base formulation, Albi Clad TF is fully compliant with EPA VOC limits and regulations.

Albi Clad FP fireproofing brings the water-based, thin-film, intumescent coating characteristics of renowned Albi Clads to materials including wood, wallboard, plaster and other non-ferrous substrates. FP combines intumescent fire protection with the aesthetic breakthrough of an attractive, decorative, interior finish that preserves architectural detail on a range of materials. Albi Clad FP is fully compliant with EPA VOC limits and regulations.

Albi Clad 800 is a solvent based intumescent mastic coating applied to structural steel, concrete and other construction materials for the exterior applications. It is UL classified for up to three hours of protection. Albi Clad 800 should be specified wherever long-lasting fireproofing with high abrasion and impact resistance is required. Albi Clad 800 will withstand extreme weather conditions and chemical fumes. It is highly recommended for use on offshore drilling platforms, petrochemical plants, power plants and dock facilities along with exterior architectural applications.

Albi DriClad is a mineral fiber fireproofing board for use in interior or semi-exposed locations and provides up to three hours of protection. It encases structural steel or other materials and can applied in any temperature or weather conditions. As a board system it does not require any surface preparation to the substrate. DriClad is installed using our Albi Screw system.

Albi Fire Retardant Coatings

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.

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 FRL is a water-based, co-polymer intumescent coating, which provides excellent fire retardant properties. Albi Cote FRL is odor-free and offers the advantages of easy application and cleanup. This durable fire retardant coating provides a serviceable, wash-resistant flat finish for a wide variety of interior applications. Designed for interior use, Albi Cote FRL is a quick drying special coating that reacts to flame or heat at 300° F (149° C) by expanding into a thick multicellular insulating blanket. This intumescent carbonaceous foam sharply limits the spread of flame and insulates the surface to which it is applied. Albi Cote FRL provides a decorative, washable and mar-resistant finish like conventional paint, with the added advantages of a Class A fire retardant coating. FRL has the highest coverage rate (225 sq. ft. per gallon) of all UL listed fire retardant coatings.

Company News:

We are in the process of renovating and updating our website. The new site will provide our latest product information, case histories, application videos and technical data at the click of a mouse. Launch date is April 15, 2014.

Albi and PPG are currently working on a number of fireproofing projects together. Albi's experienced technical sales force will work hand in hand to provide PPG with all of the tools necessary to ensure a positive outcome for each of us.

Albi products have been presented at conferences in Orlando and Atlanta, regional meetings in Chicago and Connecticut and several teleconferences. If you have not received a PPG/Albi literature package, please contact us and we will get one out to you.



Case History

Job Type: Mall Parking Garage Renovation

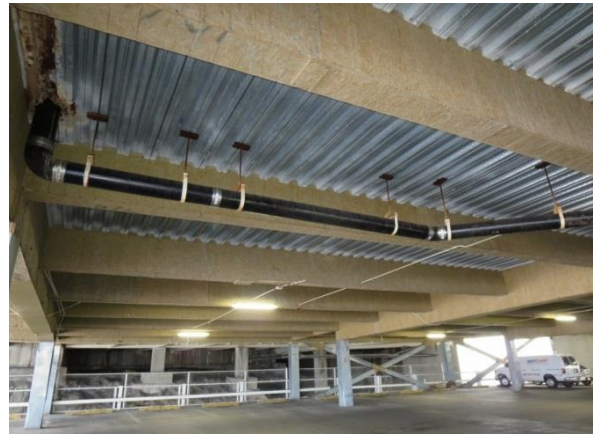
Product Used: Albi DriClad

Low density spray fireproofing was applied to 250,000 sq. ft. of steel columns/beams. Over a seven year period, the spray applied material fell off exposing significant areas of bare steel. The local jurisdiction ultimately closed down the parking garage, two weeks before Christmas, until full remediation was done to the fireproofing.

The owner reviewed the plan for complete removal of the existing spray, then the re-spray. However since the steel was painted, they would have to install metal lath prior to the re-spray application. In addition, they would have to heat the entire parking garage to over 40 degrees.

After a presenting Albi DriClad to the owner, it did not take long for him to recognize the time and cost savings. By our estimates, the cost savings was roughly \$750,000. In using Albi DriClad, they eliminated the need for metal lath, heat, over spray or clean up. We were able to install the Albi DriClad on the first level within two weeks which allowed them to open the first floor parking.

In addition the Albi DriClad was far more aesthetic than any SFRM application. Light gauge sheet metal was added around the columns to protect the DriClad from vehicle damage.



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Case History

Job Type: Refinery
Product Used: Albi Clad 800

Albi Clad 800 was chosen as the preferred product to fireproof pipe racks within an operating refinery. The application was done from late November 2012 through March 2013. The project consisted of the removal of in-place high density cementitious fireproofing which had degraded and surface prep to the steel once the fireproofing had been removed. The pipe racks were then primed followed by the application of the Albi Clad 800.

The 800 was selected as the product of choice to provide long term, in-place fire protection minimizing the need for a maintenance program. It was also chosen as the best material to minimize disruption to the operating facility and helped shorten the scheduled maintenance shutdown. The contractor was able to work on defined sections of the pipe racks without impacting adjacent work being performed by other trades thus allowing for a well-managed schedule.

Albi Clad 800 was also chosen as the most cost competitive solution. It provided the refinery a long term, maintenance free, solution at a price point lower than epoxy fireproofing materials.



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