



Intumescent Monthly

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

Albi Product Training

This month's training sessions were conducted in **San Juan, PR, Latham, NY, Staten Island, NY** and **Yonkers, NY**. We were also in **Houston, TX** concentrating on Albi Clad 800 in the refinery and petrochemical industries. We're in St. Louis next week. If you are interested in hosting an Albi training session, please contact Ted Koch at 860-828-0571 or tkoch@albi.com

Albi Clad 800 in Refineries and Petrochemical Plants

Albi Clad 800 has been providing fire protection for the petrochemical and refinery industries since 1961. Additionally, it has been used in LNG facilities, power plants and dock facilities. It is a durable, single component product providing proven, in-place performance in both new construction maintenance operations. The major benefits of Albi Clad 800 are its ease of application and its ability to provide fire protection in the harshest of environments. It has a proven track record of performance in severe weather conditions, resistance to chemical fumes, high abrasion or constant vibration. It is also highly resistant to ultraviolet exposure. Albi Clad 800 has also been used to repair other types of fireproofing that has cracked and fallen off the substrate. It is used on pipe racks, vessel skirts, tank legs and the structural steel (including galvanized) in the facility. It is used primarily to meet the refinery guidelines for fireproofing and bring a refinery up to insurance carrier standards. Albi Clad 800 is fire tested to both UL 263 and UL 1709 Standards. UL 1709 is the Rapid Rise Fire Test of Protection Materials for Structural Steel. This test standard is the requirement for the petrochemical industry. Albi Clad 800 is listed by Underwriters Laboratory Inc. for exterior conditions on structural steel without the need of a topcoat. Albi Clad 800 can be shop applied, then shipped to the job site.

For more information, go to: www.albi.com/albi-clad-800



Pipe Racks



Off-site modular process unit



Tank Legs*



Vessel Skirts*

*Photos courtesy of Lee Campbell, C.M. Morris Fireproofing & Acoustical Spray, Verona, WI



Case History

Job Type: Oil Refinery
Job Location: Mexico
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.



Albi Manufacturing
860-828-0571
www.albi.com
info@albi.com



Case History

Job Name:	Long Island Railroad Overpass
Contractor:	Elitgreen Builders
Job Location:	Jamaica, Queens, NY
Job Date:	March 2014
Product Used:	Albi Clad 800

Description of Job:

The job was done on the overpass for the Long Island Railroad's main terminal at Sutphin Boulevard in Jamaica, Queens. This area encompassed an entire city block. The surface was prepped, primed then applied with Albi Clad 800 exterior intumescent to the 1709 Hydrocarbon Fire Test standard. The advantages of Albi Clad 800 were the cold weather application (it was started in February) and that it is a single-component material requiring no mixing. At the height of the project, 12-15 drums of material were applied every day using four 10:1 pumps.

This job was financed by Homeland Security. It was specified and engineered by LIRR architects and engineers.



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