



## Intumescent Monthly

**\*\*The fireproofing board edition\*\***

[www.albi.com](http://www.albi.com)

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

### **Albi Product Training**

This month's training sessions were conducted in **St. Louis, MO**. In the next few weeks we're headed to **Las Vegas, NV and San Antonio, TX, along with Quebec City and Montreal, Canada**. If you are interested in hosting an Albi training session, please contact Ted Koch at 860-828-0571 x245 or [tkoch@albi.com](mailto:tkoch@albi.com)

### **Albi DriClad**

Albi DriClad is a mineral fiber fireproofing board for use in interior or semi-exposed locations and provides up to four hours of protection. DriClad can be pre-cut for easier on the job installation. The density and thickness of DriClad is factory controlled. This allows for uniformity of application while adding minimal weight to the structural steel. DriClad encases structural steel or other materials and can be 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, self-tapping screws, welded stud pins or powder actuated stud pins.

Typical uses for Albi DriClad include fireproofing structural steel, roof decks and parking garages. It is also a viable alternative to spray applied, cementitious fireproofing (SFRM).

In certain project conditions, Albi DriClad can offer substantial savings to cementitious fireproofing:

- DriClad can be installed to painted steel, eliminating metal lath as required for SFRM.
- DriClad is a board fireproofing product, installed dry. This eliminates water, wet mix and overspray, typical of SFRM making it a cost effective alternative in occupied spaces.
- DriClad can be used to encapsulate cementitious material on roof decks, floor decks and any delaminated SFRM.

A major problem with SFRM during construction is that it is often spray applied to roof decks prior to the roof and mechanicals being installed. Unlike SFRM, DriClad can be installed regardless of weather conditions and since it's mechanically affixed, it will not fall off or delaminate during the construction phase.

Albi DriClad has also been used to encase conduit in tunnels.

### **Additional Benefits:**

- DriClad can be applied by carpenters, drywall contractors or general contractors. No special training is required, but can be provided.
- The only necessary tools are a table saw, knife and screwdriver.
- DriClad can be installed year round without disrupting other trades
- Easily Repaired- If a section of DriClad is damaged, it can be removed and replaced.
- DriClad has an R-Value of 4.1 per inch in addition to acoustical sound dampening.

For more information, please visit the Albi DriClad page at <http://albi.com/albi-driklad>

We have four case histories showing various applications of DriClad.



## Case History

<b>Job Name:</b>	<b>Worcester Airport 1</b>
<b>Contractor:</b>	<b>Thick Tech Systems and TNT</b>
<b>Job Location:</b>	<b>Worcester, MA</b>
<b>Job Date:</b>	<b>September 2014</b>
<b>Product Used:</b>	<b>Albi DriClad Fireproofing Board</b>

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### Description of Job:

One of the aircrafts hangars at Worcester Airport needed a one hour fire rating on a roof deck. Based on UL Design P-302, we were able to provide the proper rating using Albi DriClad. The one inch board was attached to furring channels using self-tapping screws, six inches on center. The alternative fireproofing involved spray cementitious after the installation of metal lath. The DriClad provided easier installation a cleaner finished look.

The Albi DriClad was chosen for its R-Value of 4.1 per inch and its acoustical noise dampening.

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## Case History

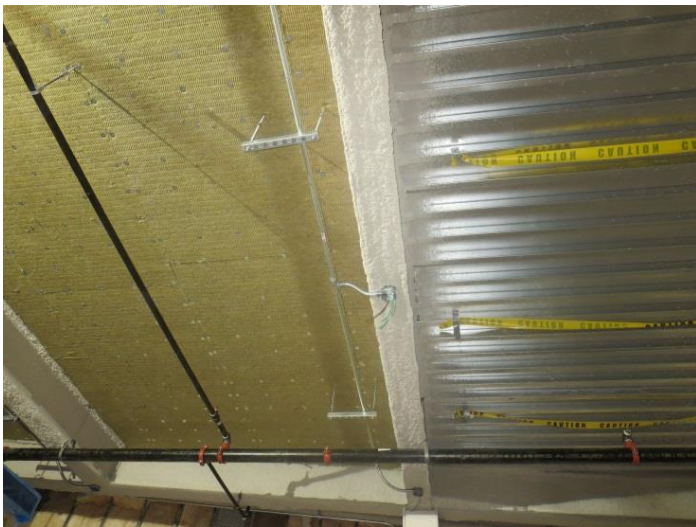
<b>Job Name:</b>	<b>Logan Airport</b>
<b>Contractor:</b>	<b>Turner Construction</b>
<b>Job Location:</b>	<b>Boston, MA</b>
<b>Job Date:</b>	<b>Summer 2014</b>
<b>Product Used:</b>	<b>Albi DriClad Fireproofing Board</b>

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### Description of Job:

The ceiling of the baggage area at Terminal C needed a two hour rating. Based on UL Design D-303, we were able to provide the proper rating using Albi DriClad. With no concrete or insulation over the metal deck, Albi recommended attaching 1-5/8 inch DriClad directly to the corrugated roof deck using self-tapping screws with one inch washers. The screws and washers were installed one foot on center. DriClad was the only consideration as spray cementitious fireproofing would have eventually failed due to the constant foot traffic on the floor above.

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## Case History

<b>Job Name:</b>	<b>Worcester Airport 2</b>
<b>Contractor:</b>	<b>Thick Tech Systems and TNT</b>
<b>Job Location:</b>	<b>Worcester, MA</b>
<b>Job Date:</b>	<b>September 2014</b>
<b>Product Used:</b>	<b>Albi DriClad Fireproofing Board</b>

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### Description of Job:

The structural columns of a hangar at the Worcester Airport were too close to the perimeter walls for applying spray fireproofing. Albi DriClad was attached to the wall side of each column using welded stud pins and washers. Spray cementitious fireproofing was applied to the remaining three sides in accordance with Underwriters Laboratories Design X-313. The combination of two dissimilar materials is approved by UL.

Not only is this an ideal solution for this situation, it is also an excellent alternative for a cold weather application. DriClad can be installed prior to erection of the perimeter wall.

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## Case History

<b>Job Name:</b>	<b>Hotel to Apartment Renovation</b>
<b>Contractor:</b>	<b>Thick Tech Systems</b>
<b>Job Location:</b>	<b>Hartford, CT</b>
<b>Job Date:</b>	<b>September 2014</b>
<b>Product Used:</b>	<b>Albi DriClad Fireproofing Board</b>

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### Description of Job:

This project is the renovation of a hotel into apartments. Albi DriClad was used to encase the truss because it had previously been painted. As a result, the use of DriClad reduced the cost of removing the paint and installing spray fireproofing with metal lath. The job required both 2-1/2 inch and 1-3/8 inch thick Albi DriClad attached to itself using Albi Screws. The two different thicknesses were necessary because the truss was made up of different steel sizes. This provided the required three hour fire rating based on UL Design X-313.

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