



Albi Clad 800  
Los Angeles International Airport  
Los Angeles, CA  
Photo: Timothy Hursley

- Intumescent Fireproofing
- For Exposed Interior & Exterior Structural Steel
- Withstands Severe Weathering and Abuse
- UL Classified for Up to 3 hours



## DESCRIPTION

Albi Clad 800 intumescent coating is applied to protect both internal and external structural steel, concrete and other construction materials from fire. Its superior resistance to weathering and abuse makes it the universal material for severe environments.

Albi Clad 800 is UL classified for one to three hour protection under E-119 and UL 1709 High Rise, Hydrocarbon fire test criteria. It is available in standard, attractive, white finish.

## ALBI CLAD 800 ADVANTAGES

- UL classified for up to 3 hours protection of both interior and exterior steel.
- Lightweight, hammer-hard, thin-film application follows the contour of substrate.
- Outstanding wear resistance eliminates dusting, flaking, cracking and delamination.
- Approved by major building codes and insurance underwriters.
- Outstanding fire protection even after years of extreme exterior weathering, abuse and vibration.
- High resistance to ultraviolet exposure.
- Asbestos-free formulation
- Single-component, factory formulated to eliminate job-site blending.
- Aesthetic, architectural finish



## WHERE TO SPECIFY

Specify Albi Clad 800 whenever and wherever you need a dependable, long-lasting exterior fire-resistant coating capable of resisting abrasion, impact, freezing and thawing. Rugged, lightweight and attractive, Albi Clad 800 is optimal for application in a great many commercial, institutional and industrial environments.

## PROVEN PERFORMANCE

Tested by Underwriters Laboratories, Inc. and in numerous actual applications, Albi Clad 800 has provided superior performance under a wide range of environmental extremes throughout the world. Even under the most adverse conditions, lightweight Albi Clad 800 maintains long-term protection with outstanding hardness and durability. Its ability to withstand the adverse effects of wind, rain and weather makes Albi Clad 800 the preferred fireproofing material for offshore drilling platforms, petrochemical plants power plants, dock facilities and a range of commercial and industrial applications.

## TYPICAL ALBI CLAD 800 UL FIRE-RESISTANCE LISTINGS

*FIRE TEST ASTM E-119*

| Typical System            | Hourly Rating | Thickness  | Reinforcement     | UL Design No.    |
|---------------------------|---------------|------------|-------------------|------------------|
| Column W10 x 49 (Contour) | 1             | 0.25" wft  | None              | X606             |
|                           | 2             | 0.50" wft  | Fiberglass ribbon | X601             |
| Column W10 x 49 (Boxed)   | 1-1/2         | 0.375" wft | Fiberglass ribbon | X604             |
|                           | 2             | 0.437" wft | Fiberglass ribbon | X602             |
| Column 4" Pipe Sch. 40    | 1             | 0.38" dft  | Wire Mesh         | X615             |
|                           | 1-1/2         | 0.61" dft  | Wire Mesh         | X615             |
|                           | 2             | 0.85" dft  | Wire Mesh         | X615             |
| Beam W8 x 17 (Contour)    | 1/2           | .125" wft  | None              | N604             |
|                           | 3/4           | .187" wft  | None              | N603             |
|                           | 1             | 3.12" wft  | None              | UL Report 8/2/74 |
|                           | 2             | 0.5" wft   | Fiberglass ribbon | N601             |
| Beam W8 x 17 (Boxed)      | 2             | 3.75" wft  | Fiberglass ribbon | N602             |

## *FIRE TEST UL 1709*

|                           |       |           |                   |          |
|---------------------------|-------|-----------|-------------------|----------|
| Column W10 x 49 (Contour) | 1     | 0.25" dft | None              | UL XR607 |
|                           | 1-1/2 | 0.35" dft | Fiberglass ribbon | UL XR608 |
|                           | 2     | 0.51" dft | Fiberglass ribbon | UL XR608 |
|                           | 2-1/2 | 0.62" dft | Fiberglass ribbon | UL XR609 |
|                           | 3     | 0.75" dft | Fiberglass ribbon | UL XR609 |
| Column 8" Pipe Sch. 40    | 1     | 0.30" dft | Wire Mesh         | UL XR603 |
|                           | 1-1/2 | 0.58" dft | Wire Mesh         | UL XR603 |
|                           | 2     | 0.98" dft | Wire Mesh         | UL XR603 |

*\*See Technical bulletin 0788 for complete UL listings.*

## EASY APPLICATION

For quick, easy installation, Albi Clad 800 is sprayed directly from the shipping container using standard, heavy-duty pneumatic spray equipment. Application may be performed in inclement weather. Application thickness depends on specified fire endurance rating. Albi Clad 800 must be applied by qualified, factory trained people in accordance with the manufacturer's printed instructions and in compliance with specific test specifications. Steel surfaces must be primed with an approved primer before the application of Albi Clad 800.

## TYPICAL INSTALLATIONS

- Offshore Drilling Platforms
- Petrochemical Plants
- Power Plants
- Dock Facilities
- Clean Rooms
- Commercial Buildings
- Industrial Sites

## PHYSICAL PROPERTIES

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| Dry Applied Density              | 68 PCF                                                                                               |
| Lap Shear                        | ASTM D1002 – >371 PSI                                                                                |
| Bond Strength                    | ASTM D4541 – >375 PSI                                                                                |
| Compressive Strength             | ASTM D695 – 2100 PSI                                                                                 |
| Modulus of Elasticity            | ASTM D695 – 94,800 PSI                                                                               |
| Flexural Strength                | ASTM D790 – 1420 PSI                                                                                 |
| Modulus of Elasticity            | ASTM D790 – 158,000 PSI                                                                              |
| Tensile Strength                 | ASTM D638 – 756 PSI                                                                                  |
| Abrasion Resistance              | ASTM D1044 – 0.40 gm. loss/1000 cycles                                                               |
| Impact Resistance                | ASTM D256 – 0.54 ft.lb./in. of notch                                                                 |
| Hardness                         | Shore D – 65 – 70                                                                                    |
| Weight/Gallon                    | 10.5 ± 0.2 lb.                                                                                       |
| Coefficient of Thermal Expansion | ASTM D697 – 1.44 x 10 <sup>-5</sup> in./in./°F                                                       |
| Thermal Conductivity             | ASTM F433 – 3.0 BTU in., hr. ft <sup>2</sup> °F                                                      |
| Flame Spread                     | ASTM E84 – 15 (Class A)                                                                              |
| Smoke Developed                  | ASTM E84 – 40 (Class A)                                                                              |
| Shelf Life                       | 12 months from date of manufacture if stored between 60° and 90°F under normal warehouse conditions. |



### Other Albi 800 Literature

- Albi Clad 800 Long Form Guide Specification
- Albi Fireproofing Catalog
- Albi Clad 800 Field Application Manual
- Albi Clad 800 CSI SPEC-DATA \*
- Albi Clad 800 CSI MANU-SPEC \*

Also inquire about these fireproofing products from Albi:

#### Albi Clad TF

Water-based, thin-film intumescent fireproofing for exposed interior structural steel

#### Albi DriClad

Low-cost, uniform density mineral board that installs dry year-round



## ALBI MANUFACTURING

For more than four decades, American made Albi fireproofing materials have demonstrated superior performance and reliability under a wide range of extreme environments worldwide. These proprietary formulations also meet global building/fire codes and insurance requirements. Lightweight Albi materials provide long-term protection, outstanding durability, aesthetic properties and are completely free from asbestos.



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