



Ontario Airport
Ontario, CA
Photo: Ed Thomas

- Water-based, Thin-film Intumescent Fireproofing
- Architectural Finish for Exposed Interior Structural Steel
- Complies with All VOC Air Quality Standards
- UL Classified for Up to 3-1/2 Hours

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DESCRIPTION

Albi Clad TF (Thin Film) is a water-based intumescent material for interior structural steel. Unlike ordinary fireproofing, Albi Clad TF is applied at minimum thickness and requires no reinforcement. It represents a breakthrough in interior fire protection. Albi Clad TF is spray-applied and offers up to 3-1/2 hours fire protection. Architects and other specifiers can use Albi Clad TF as an attractive interior finish, but still conform to building codes and insurance requirements.



Reading Terminal Market
Philadelphia, PA
Photo: C. Geoffrey Berkin

ALBI CLAD TF ADVANTAGES

- UL Classified for 1 to 3-1/2 hours to ASTM E119
- Water based: solvent and asbestos free
- Lightweight, thin-film application
- Maintains contour of substrate
- Architectural, decorative finish
- Factory formulated, single component
- UL tested for resistance to high humidity, aging, industrial atmosphere (CO₂/SO₂), chlorine and washing

WHERE TO SPECIFY

Albi Clad TF is applied in commercial buildings where architectural designs call for an aesthetic, thin, decorative finish. Albi Clad TF is ideal for interior steel columns, beams, tubes, trusses and other exposed structural members.

PROVEN PERFORMANCE

For over four decades, Albi fireproofing materials have demonstrated superior performance worldwide in a range of extreme environments. Lightweight, ultrathin Albi Clad TF delivers long-term protection with outstanding hardness and durability. Albi Clad TF is the first water-based, thin film intumescent fireproofing material classified by Underwriters Laboratories, Inc. UL's rigorous environmental and laboratory testing procedures assure you of a durable, high-performance intumescent fireproofing product.

ALBI CLAD TF FIRE-RESISTANCE RATINGS

FIRE TEST ASTM E-119

TYPICAL SYSTEM	HOURLY RATING	THICKNESS (dft)	DESIGN NUMBER
BEAM			
W8 x 31	1 Unrestrained	0.090"	ULI N607
W8 x 31	1.5 Restrained	0.090"	ULI N607
COLUMNS			
W8 x 24	2	0.313"	ULI X625
W10 x 49	1	0.055"	ULI X625
	1.5	0.132"	ULI X625
	2	0.31"	ULI X625
	2.5	0.43"	ULI X625
	3	0.55"	ULI X625
W12 x 120	3.5	0.67"	ULI X625
	1.5	0.108"	ULI X625
	2	0.192"	ULI X625
8" Pipe	Schedule 60	1	0.12"
	Schedule 60	1.5	0.23"
	Schedule 60	2	0.37"
	Schedule 60	2.5	0.52"
	Schedule 60	3	0.66"
	Schedule 100	3	0.625"
4" x 4" x 3/8" Tube	2	0.431"	ULI X638
8" x 8" x 1/2" Tube	2	0.334"	ULI X638
12" x 12" x 5/8" Tube	2	0.265"	ULI X638

EASY APPLICATION

Apply Albi Clad TF directly from the shipping container by means of standard or airless spray equipment. The fire endurance rating specification determines the thickness of the coating. Alibi Clad TF must be applied by qualified, factory-trained applicators in accordance with the manufacturer's printed instructions, and in compliance with specific test requirements. As a water-based compound, Albi Clad TF must be protected from freezing during shipping, storage, application and curing. Contact the manufacturer for specific application parameters.

TYPICAL INSTALLATIONS

- Hospitals
- Hotel Atriums
- Warehouses
- Parking Garages
- School Gymnasiums
- Clean Rooms
- Convention Centers



Hill Career School
New Haven, CT
Photo: Robert Perron



Albi Clad on square hollow section
Conventional fireproofing on vertical support steel
Hill Career School
New Haven, CT
Photo: Robert Perron

PHYSICAL PROPERTIES

Dry Applied Density	85 PCF
Shore A Hardness	85 - 90
Weight per Gallon	11.90 ± 0.20 lb./gal
% Solids by Weight	70 ± 2.0
Abrasion Resistance	ASTM D1044 – .90 gram loss
Impact	ASTM D256 – 0.77 ft. lb/inch of notch
Flame Spread	ASTM E84 – 2 (Class A)
Smoke Development	ASTM E84 – 5 (Class A)
Shelf Life	12 months from date of manufacture if stored between 60° and 90°F under normal warehouse conditions.



Other Albi TF Literature

- Albi Clad TF Long Form Guide Specification
- Albi Fireproofing Catalog
- Albi Clad TF Field Application Manual

Also inquire about these fireproofing products from Albi:

Albi Clad 800

Intumescent fireproofing, withstands severe weathering and abuse

Albi DriClad

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



ALBI MANUFACTURING

For more than four decades, Albi fireproofing materials have demonstrated superior performance and reliability under a range of extreme environments worldwide. These proprietary formulations also meet global building 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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