



Ontario Airport
Ontario, CA
Photo: Ed Thomas

Baggage Claim

- 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



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 for a smooth, architectural finish. 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.



ALBI CLAD TF ADVANTAGES

- UL Classified for 1 to 3-1/2 hours to ASTM E119
- Water based: solvent 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 fifty years, 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.

EASY APPLICATION

Apply Albi Clad TF directly from the shipping container by means of airless spray equipment. The fire endurance rating specification determines the thickness of the coating. Albi 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.

ALBI CLAD TF UL FIRE-RESISTANCE LISTINGS

FIRE TEST ASTM E-119

Typical System	Hourly Rating	Material Thickness	UL Design No.
Beam (Wide Flange) W8 x 31	1 (unrestrained)	.090 in. dft	N-607
	1-1/2 (restrained)	.090 in. dft	N-607
	2 (restrained)	.140 in. dft	N-607
Beam W10 x 88	1-1/2 (unrestrained)	.149 in. dft	N-607
	2 (unrestrained)	.149 in. dft	
	3 (restrained)	.400 in. dft	UL 11-29-99
Column (Wide Flange) W8 x 24	1	.100 in. dft	X-625
	2	.313 in. dft	X-625
W10 x 49	1	.055 in. dft	X-625
	1-1/2	.132 in. dft	X-625
	2	.310 in. dft	X-625
	2-1/2	.430 in. dft	X-625
	3	.550 in. dft	X-625
	3-1/2	.670 in. dft	X-625
W12 x 120	1	.037 in. dft	X-625
	1-1/2	.108 in. dft	X-625
	2	.192 in. dft	X-625
Column (Hollow Section) 8-Inch pipe (schedule 60)	1	.120 in. dft	X-628
	1-1/2	.230 in. dft	X-628
	2	.370 in. dft	X-628
	2-1/2	.520 in. dft	X-628
	3	.660 in. dft	X-628
(schedule 100)	3	.625 in. dft	X-628
	2	.431 in. dft	X-638
4 x 4 x 3/8"	1	.119 in. dft	X-638
8 x 8 x 3/8"	2	.334 in. dft	X-638
10 x 10 x 5/8"	1	.065 in. dft	X-638
	2	.265 in. dft	X-638
16 x 16 x 1/2"	1	.065 in. dft	X-638
	2	.334 in. dft	X-638



Hill Career School
New Haven, CT
Photo: Robert Perrin

TYPICAL INSTALLATIONS

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

PHYSICAL PROPERTIES

PROPERTY	VALUE
Dry Applied Density	85 PCF
Hardness	45-50
Compressive Strength	300 psi
Cohesive/Adhesion Strength	190 psi (cohesive failure)
Abrasion Resistance	0 grams loss
Impact	0.77-ft lbs./inch of notch
Weight per Gallon	11.90 + 0.20 lbs./gals
% Solids by Volume	70% + 2.0%
Flame Spread	2 - Class A
Smoke Developed	5 - Class A



Other Albi TF Literature

- Albi Clad TF Long Form Guide Specification
- Albi Fireproofing Catalog
- Albi Clad TF Field Application Manual
- Albi Clad TF CSI SPEC-DATA®
- Albi Clad TF CSI MANU-SPEC®

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 Clad FP

Water based, thin-film intumescent fireproofing for exposed wood, wallboard, and other combustible assemblies

ALBI MANUFACTURING

For more than five decades, American made 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 and aesthetic properties.



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