



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



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.



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
- 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), and washing
- Low VOC, 15.6 g/L

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
	1-1/2 (unrestrained)	.149 in. dft	N-607
	2 (restrained)	.149 in. dft	N-607
	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
	3	.625 in. dft	X-628
	(schedule 100)		
	3	.625 in. dft	X-628
	4 x 4 x 3/8"	.431 in. dft	X-638
	8 x 8 x 3/8"	.119 in. dft	X-638
	8 x 8 x 1/2"	.334 in. dft	X-638
	10 x 10 x 5/8"	.065 in. dft	X-638
16 x 16 x 1/2"	2	.265 in. dft	X-638
	1	.065 in. dft	X-638
	2	.334 in. dft	X-638



TYPICAL INSTALLATIONS

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



PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Dry Applied Density		85 PCF
Hardness	ASTM D2240	40-45
Compressive Strength	ASTM D695	300 psi
Cohesive/Adhesion Strength	ASTM D4541	190 psi (cohesive failure)
Abrasion Resistance	ASTM D4060	.3 grams loss
Impact Resistance	ASTM D2794	85 in/lbs.
Weight per Gallon		11.5 ± 0.20 lbs./gals
% Solids by weight		72% ± 2.0%
Flame Spread	ASTM E84	2 - Class A
Smoke Developed	ASTM E84	5 - Class A

Other Albi TF Literature

- Albi Clad TF Long Form Guide Specification
- 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 Clad FP

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

ALBI PROTECTIVE COATINGS

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.



Albi Protective Coatings, Division of StanChem, Inc.
401 Berlin Street, East Berlin, Connecticut 06023 U.S.A.