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

Albi
Protective Coatings

UL GREENGUARD GOLD

ALBI CLAD TF

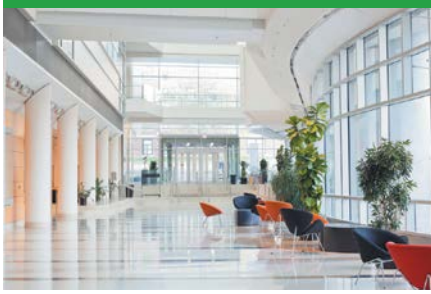
Environment

Interior products have a significant impact on indoor air quality, and can emit hundreds of chemicals into the air that building occupants breathe. GREENGUARD Certification helps provide assurance that products are low-emitting, and contribute to healthier interiors.

Representative samples of products that have achieved GREENGUARD Certification have been tested and certified to meet some of the world's most rigorous, thirdparty chemical emissions standards—helping reduce indoor air pollution and the risk of chemical exposure while aiding in the creation of healthier indoor environments. GREENGUARD Certification has been widely adopted as a trusted standard for low-emitting products. In fact, more than 400 green building codes, standards, guidelines, procurements policies, and rating systems recognize or reference GREENGUARD Certified products. To confirm continuous low emissions performance, GREENGUARD Certified products are required to undergo regular compliance testing on critical components.

View the GREENGUARD Product Guide for certified products, including:

- Furniture
- Mattresses
- Textiles
- Flooring
- Ceiling Systems
- Building Materials
- Paints, Coatings and Adhesives
- Wallcoverings
- Cleaning and Maintenance Products
- Electronic Products



Certification Types

GREENGUARD Certification is an internationally recognized product emissions certification and labeling program for manufacturers of low-emitting indoor products, furnishings, and materials. Products can be certified under two different standards:

- GREENGUARD Certification is the first voluntary North American productemissions certification created specifically for commercial building products. This certification verifies that products meet stringent chemical emission limits originally developed as purchasing specifications for building projects for the US Environ mental Protection Agency and the State of Washington. GREENGUARD Certified products are compliant with stringent emission levels for over 360 VOCs, plus a limit on the total of all chemical emissions combined (TVOC).
- GREENGUARD Gold Certification includes safety factors to account for sensitive individuals (such as children and the elderly) and helps ensure that a product is acceptable for use in environments such as schools and healthcare facilities. In addition to limiting emissions of over 360 VOCs and total chemical emissions, GREENGUARD Gold Certified products must also comply with requirements of the State of California's Department of Public Health "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2, 2017 (also known as California Section 01350).

The Competitive Advantage

GREENGUARD Certification provides a competitive advantage in an increasingly "green washed' marketplace by serving as a health-based differentiator. Once products are certified, manufacturers can label products with the GREENGUARD Certification mark and list them the GREENGUARD Sustainable Product Guide, a purchasing tool used by thousands of architects, interior designers, building managers and other specifying professionals. The free, online product guide is available at www.greenguard.org.

Why Choose UL Environment?

Built on UL's century-long legacy of trust, UL Environment empowers both manufacturers and purchasers to transform their environmental stewardship into true market leadership. We enable manufacturers to create better products in a more environmentally-responsible way, and enable customers to make smarter, more environmentally-preferable purchasing decisions.

How to Get Started

For more information on UL Environment's services and how they can benefit your company, visit www.ul.com/environment.

To learn more, visit ul.com/environment or call 1.888.485.4733

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
- 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 (CO_2/SO_2), and washing
- Low VOC, 15.6 g/L

TYPICAL INSTALLATIONS

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

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

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.

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Dry Applied Density		85 PCF
Hardness	ASTM D2240	60-65
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

National Fireproofing Contractors Association

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.
Tel: (860) 828-0571 Fax: (860) 828-3297
www.albi.com info@albi.com

Made in the USA