

PRODUCT DESCRIPTION

Albi Clad TF+ is a water-based intumescent coating designed for the fire protection of interior structural steel.

FEATURES

- Factory formulated- single component
- UL Certified & UL listed for 1-3 hours
- Lightweight & hammer-hard
- Thin film application
- Water- based
- Attractive off-white finish
- Does not dust, flake or delaminate

PHYSICAL PROPERTIES

Color White
Finish Smooth

Property	Test Method	Value
Dry Applied Density		85 PCF
Hardness (Shore D)	ASTM D2240	67
Cohesive/ Adhesion Strength	ASTM D4541	485 psi
Abrasion Resistance	ASTM D4060	0.111 gram loss (1,000 cycles)
Impact Resistance	ASTM D2794	160 inch-lb@2 mm 11.5 ±
Weight per Gallon %	ASTM D1475	0.5 lbs/ gal
Solids by weight		70 % ± 2.0
Flame Spread	ASTM E 84	5
Smoke Developed	ASTM E 84	35
VOC content		8.3 g/l

HANDLING AND PACKAGING

Product shipped by 5 gal pail or 55 gal drum
Store indoor in a dry environment between 45° F and 105° F (7°C- 40°C)
5 gal pail shipping weight is 62 lbs.
12 Months shelf life.

ACCEPTANCE

This product is listed and certified by Underwriters Laboratories, Inc. for US and Canada. Please contact Albi customer service for specific design (888) 304-1540 or info@albi.com



APPLICATION PROCEDURES

SURFACE PREPARATION

All steel surfaces shall be primed with compatible primer prior to fireproofing application. Phenolic modified alkyd primer (Albi 487S) or acrylic (Albi 490W) or equal.

The surfaces must be clean and dry, free from rust, grease, dust or other contaminants that will interfere with proper bonding.

AIRLESS SPRAY EQUIPMENT

Albi Clad TF+ can be applied by brush or spray application. We recommend application with airless spray equipment. Any pumps used must be rated for a minimum material delivery of 1.25 gallons per minute to provide an operating pressure of 3,000 p.s.i. (210 kg/cm²)
Spray tips 0.021"- 0.025"
Hose length 50' (15 m) maximum

APPLICATION

Product must be mixed thoroughly with mechanical equipment to a smooth creamy consistency. DO NOT THIN.

The Product should be applied at the required Dry Film Thickness per the appropriate UL design.

Spray 20-45 Mills Wet Film Thickness per coat
Approx. 2 to 4 hours re-coat time

Fireproofing shall be applied in accordance with drawings or specifications, and shall conform to fire protective ratings as outlined by ASTM E-119 / UL263 and listed by Underwriter's Laboratories, Inc.

TOPCOATING

Overcoating is not required. However, if a topcoat is required for color-coding, aesthetics or additional surface protection, a suitable topcoat shall be used. For unusually severe environments consult Albi for recommendations of appropriate topcoats.

Please refer to the Albi Clad TF+ Application Manual and Field Guide for further details.