

Thermo-Lag® 3000

Epoxy Intumescent Fire Protection For Building Renovation



In many US metropolitan cities, buildings constructed in the early to mid 1900's are now being renovated. Current local codes require some buildings to have an additional hour of fire protection over existing fire code requirements. Many specifications now require 4-hour protection. Thermo-Lag 3000 provides the ideal solution.

PRODUCT DETAILS

- Thermo-Lag 3000 is a two-component epoxy based intumescent fire resistive coating.
- Provides 1-4 hour fire protection for structural steel.
- Suitable for renovation and new construction.
- Tough, durable, protective finish that withstands handling, transport and job site installation.
- Aesthetically pleasing finishes for exterior and interior applications.
- Maintains historic look of the architecture.

APPLICATIONS

- COMMERCIAL BUILDINGS
- FACTORIES & WAREHOUSES
- CONVENTION CENTERS
- AIRPORTS TERMINALS
- MUSEUMS
- SCHOOLS

FEATURES

- › Certified by Underwriters Laboratories to meet 1 - 4 hour ratings: Design No. XR618
- › Successfully passed the Underwriter's Laboratories Environmental Test Program for exterior and interior use
- › Rugged, durable material that can be shop or field applied
- › Most efficient epoxy based intumescent coating in the industry
- › Ratings for a wide range of W/D's and A/P's
- › Lowest applied weight of any epoxy intumescent coating
- › Low flame spread and smoke development - Class A (ASTM E84)
- › Available in 100% solids and 95% solids versions
- › LEED compliant

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Reasons To Use Thermo-Lag 3000

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low thickness requirements	Most efficient epoxy based intumescent coating	Less material required to achieve fire rating
High film build	Up to 120 mils per coat	Rapid installation, time and labor savings
High durability and toughness	High impact / damage resistance	Longer service life, low maintenance

Physical Properties Thermo-Lag 3000

PROPERTY	VALUE
Hardness (ASTM D2240)	Shore D 50
Bond Strength (ASTM D4541)	300 psi (2.1 MPa)
Compressive Strength (ASTM D695)	2,190 psi (15.1 MPa)
Tensile Strength (ASTM D638)	36,700 psi (253 MPa) (modulus)
Flexural Strength (ASTM D790)	2,253 psi (15.5 MPa)

PROPERTY	VALUE
Solids by Volume	100% and 95% versions
VOC (EPA Method 24)	100%: 0.11 (13 g/l) 95%: 0.53 (64 g/l)
Film Build	60-120 mils (1.5-3 mm) per coat
Recoat Time / Topcoat Time	100%: 30 minutes / 10 hours 95%: 4 hours / 48 hours
Application Method	100%: plural airless application, trowel 95%: standard airless application, trowel

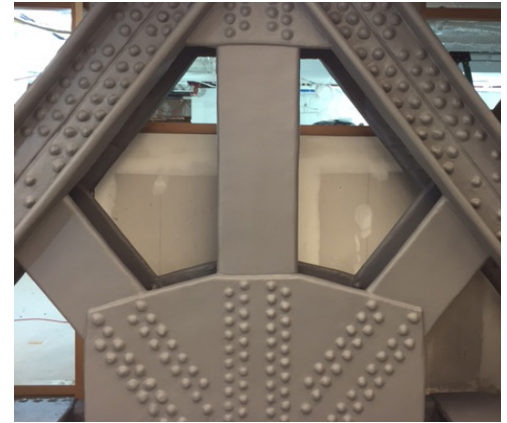
Thermo-Lag 3000 4 Hour Project References



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