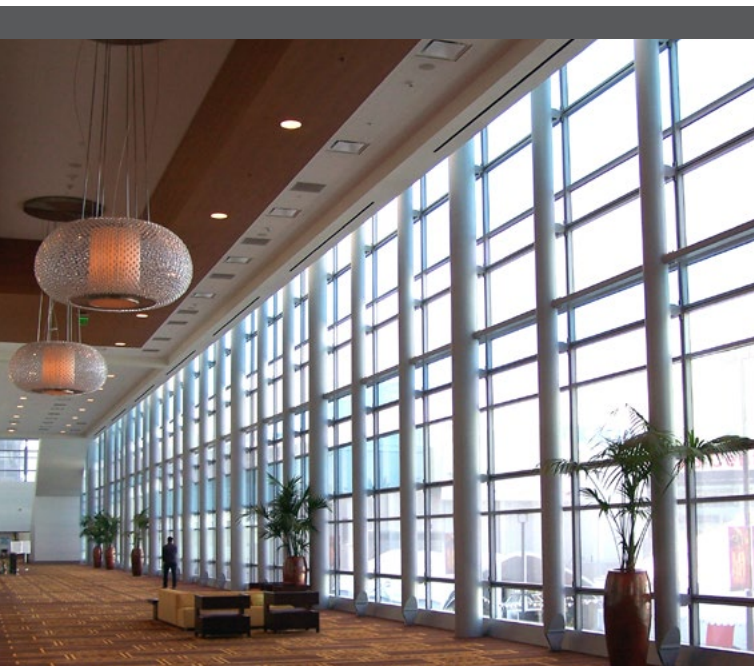


Thermo-Lag[®] E100

Epoxy Intumescent Fireproofing





Thermo-Lag E100 is an epoxy intumescent fireproofing system

with an advanced formulation eliminating the need for a mesh reinforcement layer. It was specifically designed to provide 1-3 hour cellulosic fire protection for commercial and light industrial structural steel.

Benefits of Thermo-Lag E100

- › Most complete certified W/D range in the industry
- › Certified to UL 263/ASTM E119/NFPA 251/CAN/ULC S 101-07 up to 3 hours
- › Most efficient epoxy intumescent in the industry
- › Self reinforced, no mesh needed
- › Saves application time, high film build, fast cure
- › Rated for exterior and interior use
- › LEED compliant
- › Easy to apply, 1:1 mix ratio
- › Highest quality aesthetics
- › Can be applied in a shop or field environment

Applications

- › Commercial buildings
- › Light industrial facilities
- › Clean rooms
- › Manufacturing plants
- › Factories and warehouses
- › Stadiums and convention centers
- › Airport terminals
- › Museums
- › Hospitals



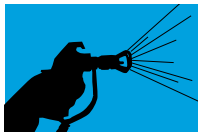


Thermo-Lag E100 is a tough, durable material

that can deliver lasting physical performance. It is the ideal solution for both onsite and offsite application, providing the ultimate in design flexibility and enhanced project scheduling.

ON-SITE TIME AND LABOR SAVINGS

DAY
1



DAY
2

COMPLETE

DAY
3

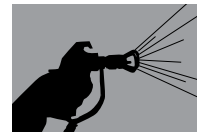
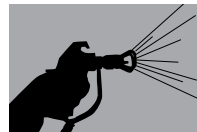
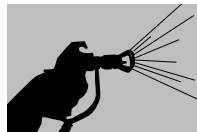
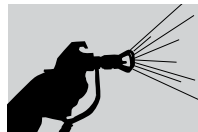
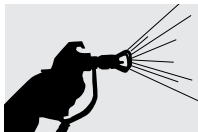
DAY
4

DAY
5

DAY
6

up to 60% faster application

Thermo-Lag E100 can be applied up to 200 mils per day, most applications are complete in two days.



COMPLETE

Competitor water based intumescent can take up to six or more days to complete.

Offsite Speed and Durability

- › Fast application and shop throughput
- › Hard, durable material resistant to damage
- › High flexural strength
- › High quality finish in less time
- › Connections are easily fireproofed onsite



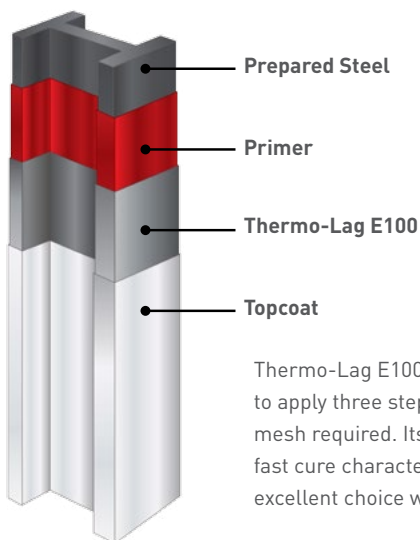


Thermo-Lag E100 saves lives and assets.

When exposed to a fire Thermo-Lag E100 intumesces or swells, producing a heat blocking char which insulates the steel from exposure to high temperatures. This allows more time for people to exit and firefighters to respond.

APPLICATION PROPERTIES

	THERMO-LAG E100	THERMO-LAG E100 S
Construction Phase	Onsite or Offsite	Onsite or Offsite
Recoat Time	30 Min	4 Hrs
Volume Solids	100%	95%
Film Build (Per Coat)	60-200 Mils (1.5-5 mm)	60-120 Mils (1.5-3 mm)
Application Method	Plural Component, Trowel	Plural Component, Single Component, Trowel



Thermo-Lag E100 System is an easy to apply three step process, with no mesh required. Its high film build and fast cure characteristics make it an excellent choice when time is critical.

PERFORMANCE DATA

Hardness (ASTM D2240)	>Shore D 60
Impact Resistance (ASTM D2794)	0.75 ft. lbs/in
Bond Strength (ASTM D4541)	>1,200 psi (>8.2 Mpa)
Compressive Strength (ASTM D695)	>2,330 psi (>16 MPa)
Flexural Strength (ASTM D790)	>1,220 (>8.4 MPa)
Surface Burning (ASTM D84)	Class A

UL Environmental Testing

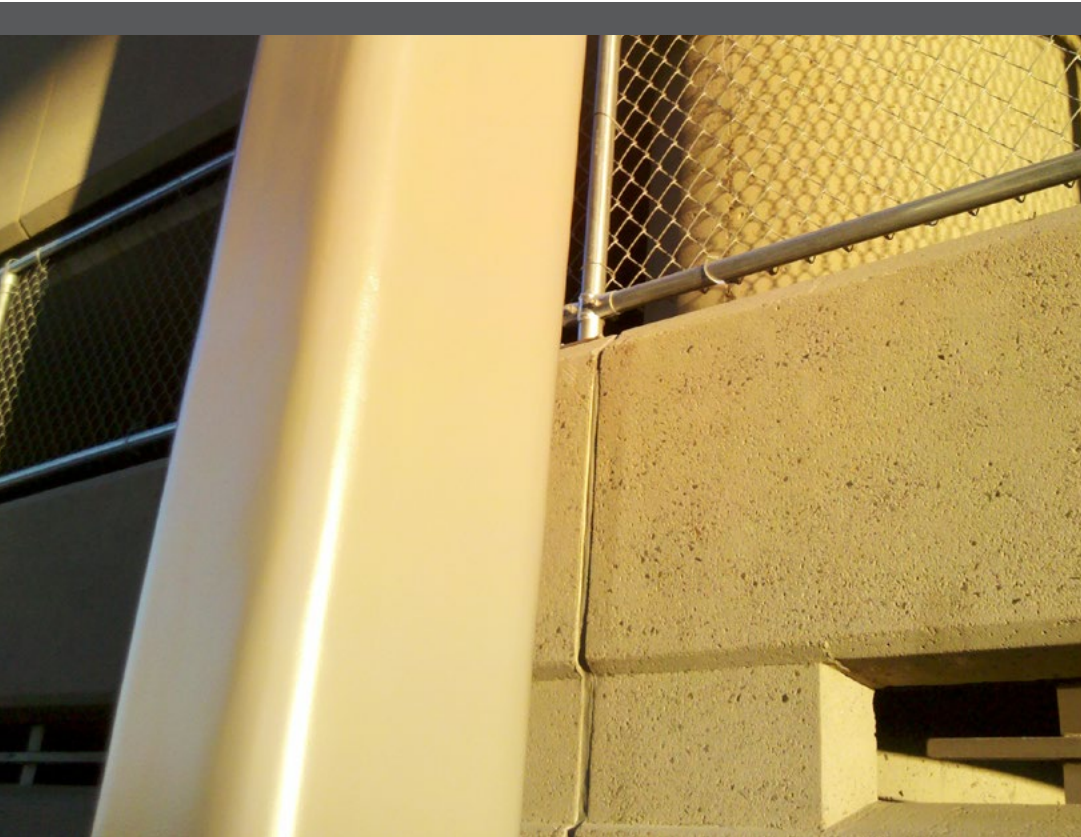
Thermo-Lag E100 is in full compliance with the acceptance criteria for the UL Environmental Test Program and is rated by UL for both exterior and interior use.

Certifications

Thermo-Lag E100 has undergone extensive third-party testing, and is certified in accordance to UL 263/ASTM E119/NFPA 251/CAN/ULC S 101-07.

It offers 1-3 hour cellulosic fire protection for:

- › Restrained/unrestrained beams
- › I-section columns
- › Tubular columns
- › Pipes



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2150 SCHUETZ ROAD
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ARGENTINA – BUENOS AIRES
EINSTEIN 1095
PARQUE INDUSTRIAL OKS
GARÍN PROV. DE BUENOS
AIRES, ARGENTINA
PHONE: 54-3327-44-2222
FAX: 54-3327-44-2223

AUSTRALIA – BRISBANE
7 PRODUCTION AVE
ERNEST JUNCTION
QUEENSLAND 4214
AUSTRALIA
PHONE: +61 7 3287 0222
FAX: +61 7 5594 9093

**BRAZIL – JARDIM CAMPO
GRANDE**
CNPJ: 58.681.867/0001-30
RODOVIA VITO ARDITO, 6401
KM 118.5, JARDIM CAMPO
GRANDE
12282-535 CACAPAVA SP
BRAZIL

CANADA – ONTARIO
420 TAPSCOTT ROAD UNIT 5
SCARBOROUGH, ONTARIO
M1B 1Y4, CANADA
PHONE: 416-292-2361
FAX: 416-298-5887

CHINA – DALIAN
HOU SHI CUN, DA WEI JIA
ZHEN
JIN ZHOU DISTRICT
DALIAN, CHINA 116110
PHONE: 86-411-8789-8441,
8442, 8443, 8444
FAX: 86-411-8789-8445

INDIA – CHENNAI
NO. 356 & 357 SIDCO
INDUSTRIAL ESTATE
AMBATTUR,
CHENNAI 600 098
INDIA
PHONE: 91-22-28500321
FAX: 91-22-28500323

INDIA – MAHARASHTRA
GUT NO. 300
VILLAGE MUSSARNE
BHIWANDI WADA ROAD,
TALUKA WADA,
DISTRICT PALGHAR,
MAHARASHTRA
INDIA

ITALY – ALGHERO
VIA MILANO 150
20093 COLOGNO MONZESE
[MI], ITALY
PHONE: 3902-25 3751
FAX: 3902-25 37560

JAPAN – AMAGASAKI
TERAMOTO UNYU SOKO CO.,
LTD 17
MINAMIHATSUSHIMA-CHO,
AMAGASAKI, 660-0833 JAPAN
PHONE: 81-3-3643-4501
FAX: 81-3-3643-2951

MALAYSIA – KUALA LUMPUR
LOT 37631-37632 JALAN 6/37A
TAMAN BUKIT MALURI
INDUSTRIAL AREA
KEPONG 52100,
KUALA LUMPUR, MALAYSIA
PHONE: 603-6277-9575
FAX: 603-6277-4645

NEW ZEALAND – TAURANGA
91-111 OROPI ROAD
GREERTON
TAURANGA
NEW ZEALAND
PHONE: +64 7 5411 221
FAX: +64 7 541 1310

NORWAY – LIERSTRANDA
P.O. BOX 593
3412 LIERSTRANDA, NORWAY
PHONE: 47-32-857300
FAX: 47-32-857301

PUERTO RICO – SAN LORENZO
URB. APONTE #5
SAN LORENZO, PUERTO RICO
00754
PHONE: 787-736-4221
FAX: 787-736-53133

SAUDI ARABIA – DAMMAM
1ST INDUSTRY CITY, 28TH
STREET
P.O. BOX 1050
DAMMAM 31431,
KINGDOM OF SAUDI ARABIA
PHONE: +966 3 847 3044
FAX: +966 3 847 3689

SPAIN – VALLIRANA
PERLITA Y VERMICULITA SL
VAT NO. ESB58598418
POLIGONO INDUSTRIAL CAN
PRUNERA S/N
VALLIRANA 08759
SPAIN

**SOUTH AFRICA –
JOHANNESBURG**
8 CRESSET ROAD
MIDRAND INDUSTRIAL PARK
JOHANNESBURG,
SOUTH AFRICA
PHONE: 27-11-2545500
FAX: 27-11-310-2872

SOUTH KOREA – BUSAN
43-1, JINYOUNG-RI
JINYOUNG-EUB
KIMHAE-CITY, 621-800
KYOUNGSANGNAMDO, KOREA
PHONE: 82-55-343-6441/5
FAX: 82-55-343-6414

TURKEY – BURSA
ALI OSMAN SONMES CAD.
NO:4
BURSA, DOSAB 16369 TURKEY
PHONE: 90-224-261-0537

UAE – DUBAI
P.O. BOX 3034
DUBAI, UAE
PHONE: 971-4-347-0460
FAX: 971-4-347-0242

USA – DAYTON
95 AIRPARK VISTA BLVD.
DAYTON, NV 89403
PHONE: 775-246-0760
FAX: 775-246-0763

USA – GREEN BAY
614 ELIZABETH ST
GREEN BAY, WI 54302
PHONE: 920-437-6561
FAX: 920-437-8546

USA – LAKE CHARLES
900 OPELOUSAS STREET
LAKE CHARLES, LA 70601
PHONE: 337-433-0605
FAX: 337-439-0380

USA – LOUISA
321 DUKE ST.
LOUISA VA 23093
PHONE: 540-967-5119
FAX: 540-967-5120

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AVENIDA PRINCIPAL
GALPÓN "H"
VALENCIA EDO. CARABOBO
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FAX: 58-245-5642011

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THI XA BEN CAT
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