



# E-Wrap™ Endothermic Wrap

E-Wrap™ Endothermic Wrap is a protective wrap designed for fire protection of critical circuits and infrastructure such as fire pumps, signaling equipment, elevators, alarms, process control equipment, or emergency responder communications enhancement systems (ERCES). When installed around Electrical Metallic Tubing (EMT), conduits, or cable trays E-Wrap™ releases chemically bound water to have a cooling effect providing up to 2 hours of circuit integrity ensuring continued operation under fire conditions.

## Applications

Protecting circuits including cables, Electrical Metallic Tubing (EMT), conduits, or cable trays.

## Specifications

The approved protective wrap product shall be a flexible, endothermic insulative wrap for the protection of electrical systems such as Electrical Metallic Tubing (EMT), conduit, or cable tray for up to 2 hours. The approved protective wrap shall be capable of being installed in layers and secured with minimum 16 GA (1.3 mm) steel tie wire to protect encapsulated items against the effects of fire and heat. The product shall be capable of providing equal F & T Ratings when applied to membrane penetrations of utility boxes. The approved protective wrap shall be certified by UL and Intertek. The approved product shall be STI E-Wrap™ Endothermic Wrap.

### Specified Divisions

Section 07 80 00	Fire and Smoke Protection
Section 07 84 00	Firestopping
Section 26 01 00	Operation & Maintenance of Electrical Systems
Section 27 20 00	Data Communications

## Testing & Approvals

Performance Criteria - Circuit Integrity Protection  
 Standards - ASTM E1725  
 Values - 1 and 2 Hour Ratings



Listed C5013598  
 Refer to Intertek's Directory of Building Products For Detailed Information.



## PHYSICAL PROPERTIES

Color	Silver
Facing	aluminum foil scrim
Dimensions	2 ft. x 20 ft. (61 cm x 610 cm)
Thickness	0.5 in. (13 mm)
Roll Weight	54.2 lbs. (24.6 kg)
Density	32 PCF (520 kg/m <sup>3</sup> )
Wrap Area	40 sq.ft. (3.72 m <sup>2</sup> )
Shelf Life	Unlimited (when stored properly)

## Features & Benefits

- Flexible material - easy to install, even on small diameter conduits
- Fewer layers required for protection - better coverage per roll
- Tested with Electrical Metallic Tubing (EMT) and heavier conduits
- Endothermic - releases chemically bound water to have a cooling effect
- Low Density - Weighs less than competing wraps
- May be used to achieve equal F&T Ratings on Penetration Firestop Systems.
- Tested to ASTM E1725 for circuit integrity



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## Installation Information

Typical tools required include razor knives, aviation snips or electric cutting shears, measuring and marking implements, aluminum foil tape, No. 16 AWG steel tie wire or stainless steel banding straps.

Refer to Intertek System and determine required number of layers. Follow design listing requirements for joints, seams, and overlaps. Mechanically restrain protective wrap with appropriate stainless steel tie wire or stainless steel banding straps.

## Storage Information

Material to be stored in floored, covered warehouse and protected from rain, water, other liquids, and inclement weather where moisture and dampness may deteriorate product. Direct liquid contact will be detrimental and destructive to insulating and physical properties. Store on pallets, timber or concrete blocks to prevent moisture absorption from the ground. Do not stack pallets to prevent compression of insulation.

## Maintenance

No maintenance is ordinarily needed. If foil scrim is damaged, repair with aluminum foil tape and maintain min. 2 in. (51 mm) overlap. For more extensive damage, remove and repair as per original UL design listing.

## Availability

E-Wrap™ Endothermic Wrap products are available from designated authorized STI distributors. Consult the factory or visit the web site ([www.stifirestop.com](http://www.stifirestop.com)) for the names and locations of the nearest sales representatives or distributors.

### ORDERING INFORMATION

UPC# 730573	Catalog Number	Description	Case Quantity
35006	EW2420	20' (6.1 m) L x 24" (610 mm) W x 0.50" (13 mm) T (40 Sq. Ft.) Endothermic Roll	1

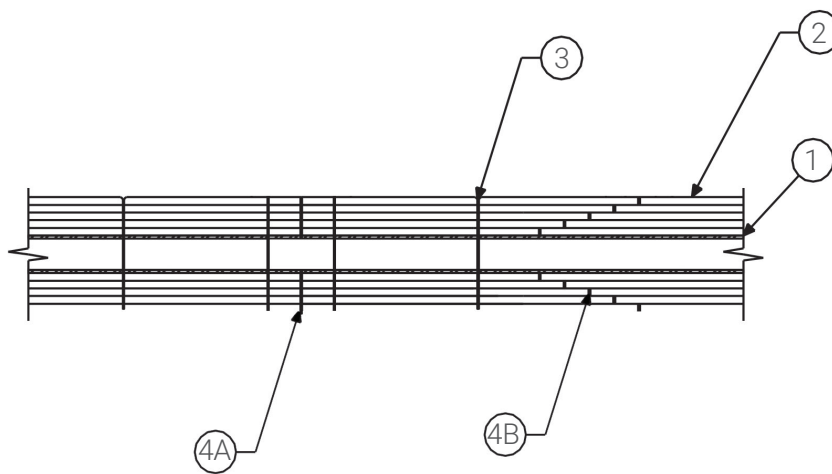
1. Electrical Metallic Tubing (EMT) or Steel Conduit with Electrical Conductors

2. E-Wrap™ Endothermic Wrap

3. Stainless steel tie wire or stainless steel banding straps

4A. Overlapping seams between E-Wrap™ sections/layers

4B. Telescoping Seams between E-Wrap™ sections/layers



IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.

STI TYPICALLY WARRANTS ITS PRODUCTS FOR ONE FULL YEAR. FOR COMPLETE DETAILS OF OUR STANDARD WARRANTY, PLEASE VISIT [WWW.STIFIRESTOP.COM/LEGAL/WARRANTY](http://WWW.STIFIRESTOP.COM/LEGAL/WARRANTY)

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