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). E-Wrap is also used for fuel oil pipe protection. When installed around Electrical Metallic Tubing (EMT), conduits, cable trays, or pipes, 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. Also used to protect fuel oil piping.

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), conduits, cable trays, or pipes 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

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Circuit Integrity</th>
<th>Fuel Oil</th>
<th>Utility Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>ASTM E1725</td>
<td>UL1489</td>
<td>ASTM E814/UL1479</td>
</tr>
<tr>
<td>Values</td>
<td>1, 2 Hour</td>
<td>1, 2 Hour</td>
<td>1, 2 Hour</td>
</tr>
</tbody>
</table>

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

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 or pipes
- 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
- Tested to UL1489 for fuel oil pipe protection

Physical Properties

<table>
<thead>
<tr>
<th>Color</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facing</td>
<td>Aluminum Foil Scrim</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2 ft (61 cm) x 20 ft (610 cm)</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.5 in (13 mm)</td>
</tr>
<tr>
<td>Roll Weight</td>
<td>54.2 lbs (24.6 kg)</td>
</tr>
<tr>
<td>Density</td>
<td>32 PCF (512.59 kg/cu m)</td>
</tr>
<tr>
<td>Wrap Area</td>
<td>40 sq ft (3.72 sq m)</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>Unlimited (when stored properly)</td>
</tr>
</tbody>
</table>
E-Wrap™ Endothermic Wrap

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 or UL System and determine required number of layers. Follow design listing requirements for joints, seams, and overlaps. Mechanically restrain protective wrap with appropriate 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 design listing.

System Selection
To find your firestop system or create a submittal, visit https://systems.stifirestop.com/ to use System Search & Submittal Builder. You may also visit the UL Online Certifications Directory/UL Product IQ® for complete listings. (Firestop Systems).

Technical Service
Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.stifirestop.com including Safety Data Sheets (SDS's).

Availability
E-Wrap™ Endothermic Wrap is available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technology products, please call 1-800-992-1180 or visit www.stifirestop.com.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>UPC Number</th>
<th>Description</th>
<th>(UOM) Qty.</th>
<th>Case Quantity</th>
<th>Weight (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EW2420</td>
<td>730573350065</td>
<td>20' (6.1 m) L x 24&quot; (610 mm) W x 0.50&quot; (13 mm) T 40 sq ft (3.72 sq m) roll</td>
<td>1</td>
<td>1</td>
<td>54.20 lbs (24.58 kg)</td>
</tr>
</tbody>
</table>

1. Electrical Metallic Tubing (EMT) or Steel Conduit with Electrical Conductors or Piping (including fuel oil)
2. E-Wrap™ Endothermic Wrap
3. Steel tie wire or stainless steel banding straps
4A. Overlapping seams between E-Wrap™ sections/layers sealed with SpecSeal® LCI Sealant
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 MADE IN THE USA − © 2020 SPECIFIED TECHNOLOGIES INC.