

3M Science.
Applied to Life.™

Introducing a NEW, flexible alternative for the protection of Fuel Oil Piping.

3M™ Interam™ Endothermic Mat E-5A-4 can help you quickly meet the new UL 1489 standard for fuel pipe protection.

Local building codes typically require fuel lines feeding emergency generators and fire pump drivers within buildings to be protected for 2 hours. This ensures the fuel pipe system will maintain its integrity in the event of fire.

To address this, UL has published a new test to evaluate protection of materials and systems: UL 1489.

3M™ Interam™ Endothermic Mat E-5A-4 (3M E-Mat) is a proven, trusted solution for meeting the new UL 1489 standard.

It has tested and listed systems UL HNKJ.FP-1 and HNKJ.FP-2.

3M E-Mat serves as a flexible alternative to gypsum shafts or concrete encasement. This low-profile material saves space and helps overcome design challenges created by other mechanical systems installed in close proximity.

3M E-Mat is approved in New York City as a 2-hour enclosure for horizontal, double-containment fuel pipe systems when installed in accordance with UL listed systems FP-2.

Protect with the best. Call your 3M Fire Protection rep for an onsite demo!



3M E-Mat is a flexible, fire protection wrap that's easy and clean to install. No water source is needed and there's no need to mask and drape areas to prevent overspray and mess. Learn more at www.3M.com/Emat



Protect fuel pipes with 3M™ Interam™ Endothermic Mat E-5A-4 ... the trusted name in firestopping.

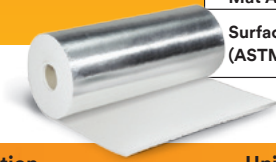
3M™ Interam™ Endothermic Mat E-5A-4 has been proven and trusted for over 30 years.

- E-Mat is a flexible mat that uses endothermic technology, which, when exposed to high temperatures, releases chemically bound water to cool surrounding materials and slow heat transfer to help protect critical components from fire
- Tested and listed to ASTM E 119 Cellulosic Fire, UL 1709 Hydrocarbon Pool Fire, ISO 22899 Jet Fire and NFPA 58, Annex H/NFPA 290 Torch Test and now UL 1489
- Tested and listed to ASTM E 662, ASTM E 162, BSS 7239, EN ISO 11925, EN 13501-1 and UL 723/ASTM E 84

- Passes UL environmental aging and exposure for humidity, salt spray, wet-freeze-dry, acid spray and solvent spray
- Tested for blast, radiation, seismic, acoustic and chemical analysis
- Has Factory Mutual (FM), Lloyd's of London and DNV listings

Performance & Physical Properties

| | | |
|-----------------------------------|--|-----|
| Color | Silver exterior, white interior | |
| Mat Lamination | 3 mil. aluminum/scrim | |
| Mat Thickness | 0.408 in. (10.3 mm) | |
| Roll Dimensions | 24.5 in. x 20 ft. (622 mm x 6.09 m) | |
| Roll Weight | 76.6 lbs. (33.8 kg) | |
| Weight/Unit Area | 1.83 lbs./ft. ² (8.93 kg/m ²) | |
| Bulk Density | 54 lbs./ft. ³ (865 kg/m ³) | |
| Mat Area/Roll | 40.8 ft. ² (3.79 m ²) | |
| Surface Burning (ASTME 84) | Flame Spread | 0.7 |
| | Smoke Development | 0 |
| | Fuel Combustion | 0 |



| Product Number | Description | Unit | Size | Billing UPC Number | Qty. | |
|---|--|-------|-----------------------------------|--|-------------------|-------|
| 3M™ Interam™ Endothermic Mat E-5A-4 (Aluminum Scrim) | | | | | | |
| E-5A-4 | Protective wrap for cable trays, conduits and more | Roll | 24.5 in. x 20 ft. (.408in. thick) | 000-51115-16571-9 | 1/Cs | |
| 3M™ Aluminum Foil Tape 425 | | | | | | |
| 425 | Seals cut edges of 3M™ Interam™ Endothermic Mat | Roll | 4 in. x 60 yd. (4.6mm thick) | 000-51125-85313-2 | 2/Cs | |
| Scotch® Filament Tape 898 | | | | | | |
| 898 | For use with 3M™ Interam™ Endothermic Mats to temporarily hold mat pieces in place during installation | Roll | 18 mm x 55 m 24 mm x 55 m | 000-51131-06897-1 000-51131-06898-8 | 48/Cs 36/Cs | |
| 3M™ Fire Barrier Sealant CP 25WB+ | | | | | | |
| CP 25WB+ | Up to 4-hr penetration firestop | Color | Tube | 10.1 oz. | 000-51115-11638-4 | 12/Cs |
| | Up to 4-hr penetration firestop | Color | Sausage | 20 oz. | 000-51115-11642-1 | 10/Cs |
| | Up to 4-hr penetration firestop | Color | Cartridge | 27 oz. | 000-51115-11641-4 | 6/Cs |
| 3M™ VentureClad™ Insulation Jacketing Tape 1577CW-E Embossed Natural Aluminum (Optional) | | | | | | |
| 1577CW-E | For use as a vapor barrier cladding over 3M™ Interam™ E-5A-4 Endothermic Mat | Roll | 4 in. x 50 yd. (100 mm x 50 m) | 000-76308-98278-2 | 4/Cs | |

Important Notice to User:

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. **Warranty and Limited Remedy:** 3M warrants that each 3M Fire Protection Product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

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For technical information, listed systems, training information and more, call 1-800-328-1687 or visit www.3M.com/Firestop



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