

Fire-rating critical circuitry

Fire Alarm - Fire Pump
Backup Generators
Radio Communications ARCS/DAS



3M™ Interam™ E-5A-4 Endothermic Mat

- Helps meet NFPA 72, which mandates all new buildings provide radio coverage for first responders
- Helps meet the building code requirement to protect emergency electrical circuitry for fire pumps

Local building codes typically require distributed antenna systems and fire pumps within a building to be protected for 2 hours.

This ensures that all of these systems will maintain their integrity in the event of a fire.

3M™ Interam™ E-5A-4 Endothermic Mat (3M E-Mat) is a proven, trusted solution for meeting the IBC, NFPA and NEC codes.

These codes protect electrical systems that supply power for distributed antenna systems, fire pumps and other critical electrically powered assets.

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 within close proximity.

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

A Distributed Antenna System (DAS) or Auxiliary Radio Communication System (ARCS) is a building communication system designed to provide adequate radio coverage for emergency personnel. The National Fire Protection Association passed an ordinance in 2007—revised in 2010 and again in 2013 (NFPA 72)—mandating that all new buildings are required to provide radio coverage for first responders.



Unprotected
conduit



Conduit protected
with flexible
3M E-Mat

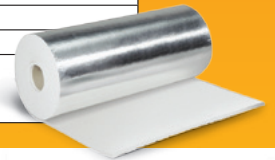
Protect critical electrical circuitry that supplies power to Communication systems, fire pumps and other critical assets that must remain operable during a fire. Utilize 3M™ Interam™ E-5A-4 Endothermic Mat ... the trusted name in firestopping. Proven for over 30 years.




- 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
- It's the most-installed product for the protection of electrical raceways in United States nuclear power plants per the United States Nuclear Regulatory Commission NUREG-1924
- 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 UL 1489 for fuel oil pipe
- Tested and listed to ASTM E 662, ASTM E 162, BSS 7239, EN ISO 11925, EN 13501-1 and UL 723/ASTM E 84
- Has Factory Mutual (FM), Lloyd's of London and DNV listings

- 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

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 (ASTM E 84)	Flame Spread	0.7
	Smoke Development	0
	Fuel Combustion	0



Product Number	Description	Unit	Size	Billing UPC Number	Qty.
3M™ Interam™ E-5A-4 Endothermic Mat (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)	000-51138-95074-3	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:

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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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