



FENDOLITE® M-II

Spray-Applied Fire Resistive Material

CAFCO® Fendolite® M-II is a single package, factory controlled Spray-Applied Fire Resistive Material (SFRM) based on vermiculite and portland cement. It is specifically developed for spray-application to structural columns and beams in exterior environments and interior situations where higher levels of abrasion resistance and hardness are necessary. Fendolite TG has been developed for application by trowel, in areas where spraying is impractical or not permitted. Although Fendolite is 1/3 the weight of concrete, thus significantly reducing dead load, it is also highly durable and resistant to cracking or spalling under mechanical impact. Fendolite may be used in either boxed or contour designs and the finish may be spray-textured or troweled smooth. Fendolite M-II and TG are classified by Underwriters Laboratories for up to 4 hours protection.

Major Specifications

CAFCO Fendolite M-II complies with the requirements of the following specifications:

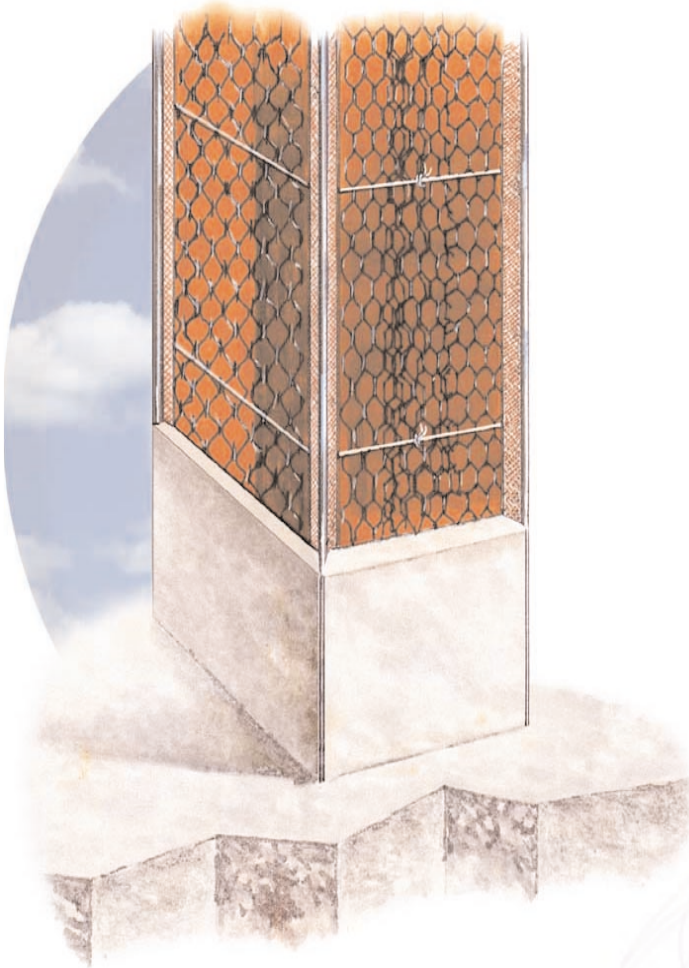
- **General Services Administration (GSA): AIA/SC/GSA:07811**
- **Department of the Navy NAVFACENCOM Guide Specification NFGS 07810, Sprayed-on Fireproofing**
- **Veterans Administration (VA): H-08-1**
- **U.S. ARMY Corps of Engineers. CEGS-07811**

Physical Properties

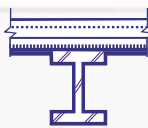
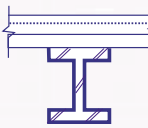
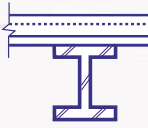
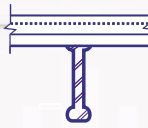
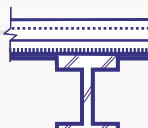
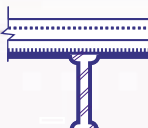
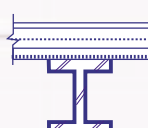
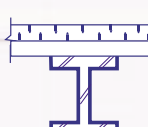




CHARACTERISTIC	ASTM Method	Standard Performance*	Tested Performance**
Surface Burning	E84 (UL723,CAN/ULC-S102)		Flame Spread 0 Smoke Developed 0
Density	E605	35-44 pcf (560-704 kg/m ³)	45.7 pcf (732 kg/m ³)
Cohesion/Adhesion	E736	1,000 psf (47.9 kPa)	11,870 psf (568 kPa)
Deflection	E759	No cracks or delaminations	No cracks or delaminations
Bond Impact	E760	No cracks or delaminations	No cracks or delaminations
Compressive Strength	E761	43,200 psf (2,068 kPa)	78,912 psf (3,778 kPa)
Air Erosion Resistance	E859	Less than 0.025g/ft ² (0.27 g/m ²)	0.000g/ft ² (0.000 g/m ²)
Corrosion Resistance	E937	Does Not Promote Corrosion	Does Not Promote Corrosion
Thermal Conductivity	C177		1.32 BTU in/hr ft ² °F @ 75°F (0.19 w/mK @ 24°C)
Combustibility	E136 (CAN4-S114)	Noncombustible	Noncombustible

*Standard performance based on General Services Administration AIA/SC/GSA/07811 except for density, which is based on UL. Refer to UL design for density requirement.

** Values represent independent laboratory tests under controlled conditions.



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UL* Fire Resistance Ratings (Per ASTM E119, UL263, CAN/ULC-S101)			
System or Component	Rating (HR)	Designs	Design Details
Floor Assemblies – Protected Deck**	1, 1½, 2, 3, 4	D744	
	1, 1½, 2, 3, 4	D781	
Floor Assemblies – Unprotected Deck	1, 1½, 2, 3	D902	
	¾, 1, 1½, 2, 3	D922	
Beam or Joist Only – Floors	1, 1½, 2, 3, 4	N742	 
	1, 1½, 2, 3, 4	N755	
	1, 1½, 2, 3	N760	
Roof Assemblies – Protected Deck**	1½, 2	P720	 
	1, 1½, 2	P819	
Roof Assemblies – Protected Deck**	1	P721	
Beam Only - Roofs	1, 1½, 2, 3	S720	
	1, 1½, 2, 3,	S723	
Wide Flange Pipe and Tube Steel Columns	¾, 1, 1½, 2, 3, 4	X755	   
	1, 1½, 2, 3, 4	X764	
	1, 1½, 2, 3, 4	X768	
	1, 1½, 2, 3, 4	Y714	

Note: In all cases, consult the actual design listing for beam sizes, deck profiles, electrification details, roof insulation types and other construction details.

*UL is accredited by the Standard Council of Canada (SCC) as a Certification and Testing Organization to Canadian Standards and codes.

** Requires lath.

For Further Information

CAFCO® Technical and Sales Representatives are always available to lend assistance. Additional printed materials, including Material Safety Data Sheets, and other product literature, are available upon request. For more information about our CAFCO® line of sprayed fire protection, thermal and acoustical treatments, SprayFilm™ Intumescent Coatings and CAFCO-BOARD™ or for the name of the Sales Representative in your area, please contact:

In the United States: Isolatak International, Stanhope, New Jersey Tel: 800.631.9600 Fax: 973.347.9170

In Mexico & Central America: Cafco Mexico S.A. de C.V., Mexico D.F. Tel: 52.55.5254.6683 Fax: 52.55.5531.7826

In Andean Countries: Cafco Andina S.A., Santiago, Chile Tel: 562.378.5120 Fax: 562.378.5121

In Canada: Cafco Industries, Etobicoke (Ontario) Tel: 888.873.0003 Fax: 416.679.2933

For more detailed product information, visit our website at:

www.cafco.com or contact us at cafco@isolatak.com

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Total Passive Fire Protection