



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

## MEA 448-04-M

**Manufacturer:** Grace Construction Products, 1330 Industry Road, Hatfield, Pennsylvania 19440.

**Trade Name(s):** Flamesafe®, FS3000, FS900+, FS1900, FSP1000, FS900, FlameSafe Wrap Strip, FlameSafe Bags, FlameSafe Pillows, FSD Device, FlameSafe Intumescent (FSIS) Sleeve

**Product:** Fill, void or cavity material for fire protection.

**Pertinent Code Section(s):** 27-345.

**Prescribed Test(s):** ASTM E814 (ANSI/UL 1749).

**Laboratories:** Underwriters Laboratories, Inc. and Underwriters of Canada.

**Test Report(s):** UL File R11636 and ULC File CR1538.

**Description** - Fill, Void or Cavity Material for through-penetrations in fire rated floor/ceiling and wall construction with the following FlameSafe® Products: FS 3000 Series Coating, FS 900+ Series Sealant, FS 1900 Series Sealant, FSWS 100 & 150 Wrap Strip, FSP1000 Putty, FSB 150, 75 & 50 Bags, FSPIL 1, 2, & 4 Pillows, FS 900 Sealant, FSD Device and FSIS Intumescent Sleeve. These products shall be applied in accordance with the Underwriters Laboratories Inc. system number listed below in achieving the required fire resistance rating listed below:

UL System	F Rating	T Rating
FS 3000 Series Coating Systems		
C-AJ-1236	3 Hour	0 Hour
C-AJ-1426	2 Hour	0 Hour
W-J-7044	2 Hour	0 Hour
W-L-7080	1 & 2 Hour	0 Hour

FS 900+ Series Sealant Systems		
C-AJ-1235	2 & 3 Hour	0 Hour
C-AJ-1379	3 Hour	0 Hour
C-AJ-1403	2 & 3 Hour	0 Hour
C-AJ-1404	2 Hour	0 Hour
C-AJ-1406	2 Hour	0 Hour
C-AJ-5175	3 Hour	$\frac{3}{4}$ Hour
C-AJ-5222	3 Hour	$\frac{3}{4}$ & 1 Hour
C-AJ-5223	2 Hour	$\frac{1}{2}$ Hour
C-AJ-6027	2 Hour	0 Hour
C-AJ-7067	3 Hour	0 Hour
C-AJ-7074	2 Hour	0 Hour
C-AJ-7075	3 Hour	0 Hour
C-AJ-8101	2 Hour	0 Hour
F-C-1084	1 & 2 Hour	$\frac{1}{2}$ & 1 Hour
F-C-2042	1 & 2 Hour	0 & 1 Hour
F-C-2082	1 Hour	$\frac{3}{4}$ Hour
F-C-2091	1 Hour	$\frac{3}{4}$ Hour
F-C-2211	1 Hour	1 Hour
F-C-2221	1 & 2 Hour	1 & 2 Hour
F-C-3060	1 & 2 Hour	0 Hour
F-C-5059	1 & 2 Hour	1-1/2 & 2 Hour
W-J-1065	2 Hour	0 Hour
W-J-1090	2 Hour	0 Hour
W-J-2086	2 Hour	0 Hour
W-J-2087	2 Hour	0 Hour
W-J-3084	2 Hour	1 Hour
W-J-5079	2 Hour	1-1/2 Hour
W-J-5080	2 Hour	1 & 2 Hour
W-J-5081	2 Hour	$\frac{1}{2}$ Hour
W-J-7023	2 Hour	0 Hour
W-J-7045	2 Hour	0 Hour
W-J-7046	2 Hour	0 Hour
W-L-1152	1 & 2 Hour	0 Hour
W-L-1207	1 & 2 Hour	0 Hour
W-L-2258	1 & 2 Hour	0 Hour
W-L-2259	1 & 2 Hour	0 Hour
W-L-3199	1 & 2 Hour	1 Hour
W-L-5171	1 & 2 Hour	$\frac{3}{4}$ & 1-1/2 Hour
W-L-5172	1 & 2 Hour	$\frac{1}{2}$ , 1 & 2 Hour
W-L-5173	1 & 2 Hour	$\frac{1}{2}$ Hour
W-L-7046	1 & 2 Hour	0 Hour
W-L-7081	1 & 2 Hour	0 Hour
W-L-7082	1 & 2 Hour	0 Hour
W-L-7082	1 & 2 Hour	0 Hour

FSIS Intumescent Sleeve Systems		
C-AJ-2339	2 Hour	1 Hour
C-AJ-2379	3 Hour	2 Hour
F-A-2104	2 Hour	0 Hour

FS 1900 Series Sealant Systems		
C-AJ-1235	2 & 3 Hour	0 Hour
C-AJ-1387	2 Hour	0 Hour
C-AJ-1402	2 Hour	0 Hour
C-AJ-1403	2 & 3 Hour	0 Hour
C-AJ-1404	2 Hour	0 Hour
C-AJ-2401	2 Hour	½ Hour
C-AJ-3153	2 Hour	0 Hour
C-AJ-3136	2 Hour	0 Hour
C-AJ-3189	2 Hour	0 Hour
C-AJ-3199	3 Hour	0 Hour
C-AJ-5208	2 Hour	½ Hour
C-AJ-5222	2 Hour	¾ & 1 Hour
C-AJ-7038	2 Hour	0 Hour
F-C-1037	1 Hour	1 Hour
F-C-2042	1 & 2 Hour	0 & 1 Hour
F-C-2082	1 Hour	¾ Hour
F-C-2091	1 Hour	¾ Hour
F-C-2221	1 & 2 Hour	1 & 2 Hour
F-C-7004	1 & 2 Hour	0 Hour
F-C-7008	1 Hour	1 & 1-1/2 Hour
W-J-1066	2 Hour	0 Hour
W-J-1087	2 Hour	0 Hour
W-J-2051	2 Hour	0 & 1 Hour
W-J-2086	2 Hour	0 Hour
W-J-3038	2 Hour	½ Hour
W-J-3069	2 Hour	0 Hour
W-J-4019	1-1/2 & 2 Hour	0 Hour
W-J-5035	2 Hour	½ Hour
W-J-5036	2 Hour	1-1/2 Hour
W-J-5044	2 Hour	1 & 1-1/2 Hour
W-J-5045	2 Hour	1 & 1-1/2 Hour
W-J-5079	2 Hour	½ Hour
W-J-7023	2 Hour	1-1/2 Hour
W-L-1153	1 & 2 Hour	0 Hour
W-L-1169	1 & 2 Hour	0 Hour
W-L-1204	1 & 2 Hour	0 & 1 Hour
W-L-2170	1 & 2 Hour	0 Hour
W-L-3179	1 & 2 Hour	0 & 1 Hour
W-L-5086	1 & 2 Hour	0 Hour
W-L-5087	1 & 2 Hour	¾ & 1-1/2 Hour
W-L-5098	1 & 2 Hour	0, ¾, & 1-1/2 Hour
W-L-5099	1 & 2 Hour	½ Hour
W-L-5171	1 & 2 Hour	¾ 1-1/2 Hour

W-L-7046	3 Hour	0 Hour
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FlameSafe FSPIL 1, 2 & 4 Pillow Systems		
C-AJ-3185	2 Hour	0 Hour
C-AJ-4053	3 Hour	0 Hour
W-J-4025	2 Hour	0 Hour
W-L-3118	1 & 2 Hour	0 & ½ Hour
W-L-4030	1 & 2 Hour	0 Hour

FlameSafe FSB 150, 75 & 50 Bag		
W-J-3038	2 Hour	½ Hour
W-J-6004	2 Hour	1 Hour
W-J-4019	1-1/2 & 2 Hour	½ Hour
W-L-4025	1-1/2 & 2 Hour	0 Hour
W-L-6018	1 & 2 Hour	1 Hour

FSP1000 Putty Systems		
W-J-3083	2 Hour	1 Hour
W-L-3198	1 & 2 Hour	½ & 1 Hour

FSD Device System		
C-AJ-2376	2 Hour	2 Hour

FSWS 100 & 150 Wrap Strip Systems		
C-AJ-2251	2 & 3 Hour	¾, 1, 1-1/2 & 2 Hour
C-AJ-2340	1 Hour	1 Hour
C-AJ-2341	1-1/2 Hour	0 Hour
C-AJ-2375	2 Hour	¾ & 2 Hour
F-C-2122	1 Hour	1 Hour
W-J-5043	2 Hour	2 Hour
W-L-5097	1 & 2 Hour	1 & 2 Hour

**Terms and Conditions** - That the above described fill, void or cavity material, used to fill the remaining voids in wall assemblies with the above described fire protection rating, where electrical trays, cables, mechanical piping or ductwork pass through the assembly, be accepted for use in such assemblies when installed in accordance with the manufacturer's application instructions. Suitable support angles and fasteners are required for respective assemblies shall be provided in accordance with manufacturer's recommendations. All shipments and deliveries of such materials shall, in addition, be accompanied by a tag, certifying that the materials shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance March 17, 2006

Examined by Siun Derkhdan