

FIRE Retardants Inc.™

The Decision You Make May Save A Life!

123 Columbia Court North • Suite 201 • Chaska, MN 55318

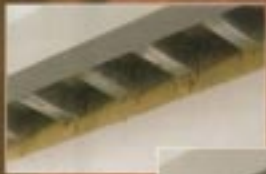
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3M™ FireDam™ Spray for head of wall joints



The cost-effective firestop material for head of wall joints

Using firestop caulk on head of wall joints can be slow, awkward and costly. Caulk can be difficult to install in the required thickness and in hard-to-reach areas. Caulk is difficult to keep in vertical joints and on a variety of substrates.

3M FireDam Spray is the new, cost-effective alternative to caulk. It's applied as a 1/8 inch (3mm) thick coating with an

airless sprayer. The water-based coating dries in ambient conditions to form a flexible seal with compression/extension of up to $\pm 25\%$ of original joint width.

3M FireDam Spray meets BOCA, SBCCI and ICB0 requirements and is UL classified for up to 4 hours. It's available from any 3M Authorized Fire Protection

Products Distributor in gallon cans (3.78L), five-gallon pails (18.9L) and 52-gallon drums (196L).

3M FireDam Spray — the new, cost-effective alternative to caulk

3M Innovation

3M™ FireDam™ Spray for head of wall joints

Applications

3M FireDam Spray is ideal for sealing head of wall joints between fire-rated floors (concrete, fireproofed fluted steel decks) and fire-rated walls (gypsum, concrete). It helps control the transmission of fire, heat, smoke, noxious gas and water before and during exposure to fire, while maintaining the integrity of the fire-rated construction.

Specifications

3M FireDam Spray is a flexible, sprayable, water-based coating that dries in ambient conditions to form a flexible seal. The coating is listed by independent test agencies such as UL. It's been cycled to meet the wind sway and thermal category of ASTM E 1399 (500 cycles at a minimum 10 cycles/minute). The coating was fire tested and evaluated

under the pass/fail criteria conditions of ASTM E 1966 and UL2079 at the maximum extended joint width. It complies with the requirements of BOCA, ICBO, SBCCI and NFPA Code #101.

Performance

Firestopping Properties						
UL System	Wall Construction	Floor Construction	Joint Movement*	Joint Size	Spray Overlap	Material
HWD 0020	1- and 2-hr. gypsum wall	Steel fluted deck (Flutes perpendicular to wall)	18.75%	1" (2.54 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0021	1- and 2-hr. gypsum wall	Concrete floor	18.75%	1" (2.54 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0022	1- and 2-hr. concrete wall	Steel fluted deck (Flutes perpendicular to wall)	18.75%	1" (2.54 cm)	1" (2.54 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0023	1- and 2-hr. concrete wall	Concrete floor	18.75%	1" (2.54 cm)	1" (2.54 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0029	1- and 2-hr. gypsum wall	Steel fluted deck (Flutes parallel to wall)	18.75%	1" (2.54 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0030	2-hr. concrete wall	Steel fluted deck (Flutes parallel to wall)	18.75%	1" (2.54 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
HWD 0031	2-hr. gypsum wall	Steel fluted deck (Flutes perpendicular to wall)	18.75%	2" (5.08 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
* Extension and compression per ASTM E 1399 / 37.5% total movement.						
FFD 0002	2 hr.	Concrete floor to concrete floor	18.75%	2" (5.08 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet
FWD 0004	2 hr.	Concrete floor to concrete wall	18.75%	2" (5.08 cm)	1/2" (1.27 cm)	1/16" (2 mm) dry 1/8" (3 mm) wet

3M™ FireDam™ Spray 2-hr. Gypsum Wallboard/Fluted Steel Deck

Item #1:

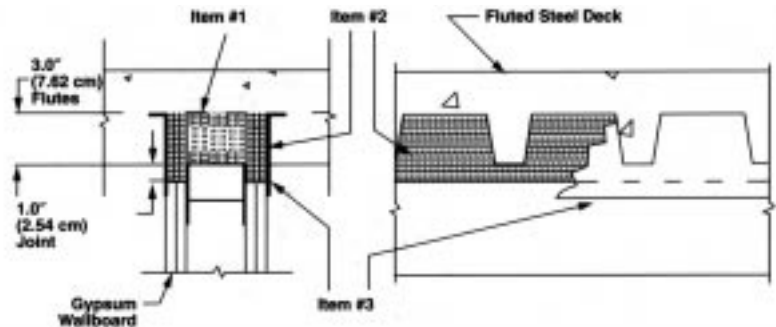
4 lb. (3.64 Kg) density mineral wool cut to the shape of the flutes.

Item #2:

4 lb. (3.64 Kg) density mineral wool cut to the contour of the flutes and the joint.

Item #3:

minimum 1/8" (2 mm) wet coating.



Warranty and Limited Remedy. This product will be free from defects in material and manufacture for a period of ninety (90) days from date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is proved to be defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation shall be at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product.

Limitation of Liability. Except where prohibited by law, 3M will not be liable for any loss or damage arising from a 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



Specified Construction
Products



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