

# **FIRE** Retardants Inc.™

*The Decision You Make May Save A Life!*

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## **3M**

# Fire Barrier 1000 N/S and 1003 S/L Silicone Sealants



## Cost-effective fire protection for floor and wall openings

3M Fire Barrier 1000 N/S and 1003 S/L Silicone Sealants help control the spread of fire before, during and after exposure to open flames. they form a tight seal around penetrations and construction joints to resist water, smoke and toxic gases.

The 1000 N/S sealant has nonslump formula designed for wall and floor applications. The 1003 S/L sealant has a flowable/self-leveling formula for floor applications. both are ready-to-use, one-component, silicone elastomers that are applied with a conventional caulking gun.

- Excellent Adhesion
- 15% compression/extension recovery
- Re-enterable/repairable
- Excellent weatherability
- Cures upon exposure to atmospheric humidity
- Remains elastomeric
- Bonds to most common construction materials
- Resistant to cracking, ultraviolet radiation and ozone

# “The System”—3M™ Fire Barrier Spray and Thermafiber® Firespan® Mineral Wool and Safing Insulation

## Applications

3M Fire Barrier Spray is a flexible, sprayable, water-based coating that dries in ambient conditions to form a flexible seal. It's ideal for sealing perimeter voids between a fire-rated concrete floor and a non-rated curtain wall. It helps control the transmission of fire, heat, smoke, noxious gas and water before and during exposure to fire.

## Specifications

Numerous factors need to be considered to determine the best solution for firestopping perimeter voids. ASTM is currently developing a new fire test standard called Standard Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-Scale Multi-Story Test Apparatus. This rigorous test evaluates the ability of materials and systems to accommodate movement and maintain the integrity of the fire-containment system. Using 3M Fire Barrier Spray with Thermafiber Firespan® Mineral Wool and Safing Insulation meets these requirements.

As detailed in the proposed test standard, the twelve systems listed here have been cycled to meet the winds way and thermal category (500 cycles at a minimum 10 cycles/minute). In addition, they were fire tested and evaluated under the pass/fail criteria conditions of ASTM's proposed test standard at maximum extended joint width. The systems also comply with the requirements of BOCA, ICBO, SBCCI and NFPA Code #101.

## Performance

Curtain Wall Systems With 3M™ Fire Barrier Spray and Thermafiber® Firespan® and Safing Insulation				
Design Number	Ratings	Size/ Movement	Curtain Wall Description	Floor Assembly
CEJ130P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Tilt-up concrete panels, concrete interior	Min. 4" (101.6mm) thick concrete
CEJ131P	T: 1/4 hr. F: 2 hr. L: <2 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Steel spandrel panels, gypsum interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ132P	T: 1/4 hr. F: 2 hr. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Steel spandrel panels, foil-faced interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ133P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Glass spandrel panels, foil-faced interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ134P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Concrete spandrel panels, concrete interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ135P	T: 1/4 hr. F: 2 hrs. L: <2 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Aluminum spandrel panels, foil-faced interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ136P	T: 1/4 hr. F: 2 hrs. L: <2 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Glass spandrel panels, gypsum interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ137P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Aluminum spandrel panels, foil-faced interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ138P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Glass spandrel panels, foil-faced interior, steel stud framing	Min. 4" (101.6mm) thick concrete
CEJ139P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Aluminum spandrel panels, foil-faced interior, aluminum framing	Min. 4" (101.6mm) thick concrete
CEJ140P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Steel spandrel panels, foil-faced interior, aluminum framing	Min. 4" (101.6mm) thick concrete
CEJ141P	T: 1/4 hr. F: 2 hrs. L: <1 scfm	8" (203.2mm) nominal 16.75% movement 10 cycles/min. 500 cycles	Steel spandrel panels, foil-faced interior, aluminum framing	Min. 4" (101.6mm) thick concrete

**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 defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product.

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**3M Innovation**

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