



2-Component Spray Polyurethane Foam Insulation SFI-175

Technical Data

July 2013

Product Description 3M™ 2- Component Spray Polyurethane Foam Insulation SFI-175 is a low pressure, two component polyurethane spray foam insulation product. It is available in 17 gallon, 60 gallon, and 120 gallon returnable, refillable cylinders. Proper application of Spray Foam Insulation SFI-175 will provide a fire retardant insulation system with high R value, air barrier properties, sound deadening, and structural strength.

Basic Use 3M™ 2-Component SFI-175 Spray Foam Insulation is a polyurethane froth foam insulation specifically designed for homes and commercial buildings. It is ASTM E-84 Class I rated, suitable for perimeter wall and attic insulation applications. It is applied using 3M proprietary 2 component spray equipment.

Listing and Approvals ICC-ES (pending)

Typical Physical Properties **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Test Method	SFI-175 Product Properties
ASTM D1622 Core Density	1.75lbs/cu.ft.
ASTM D1623 Tensile Strength	>15 psi
ASTM D2126 Dimensional Stability% at 158 F, 97% RH	
After 24 hours	1.13
After 168 hours	1.13
ASTM D1621 Compressive Strength	>15 psi
ASTM E 283 Air Leakage L/s*m2	<0.005
ASTM C 518 Thermal Resistance F*h*ft2/BTU	Initial = 6.0; Aged = 5.4
ASTM D2856 Closed Cell Content	>90%
ASTM E84 Flame Spread and Smoke Generation	Class 1 at 2.5 inches

Theoretical Coverage **Note: The theoretical yield of the cylinders is calculated using spray Test data generated under controlled laboratory conditions. Actual yield may vary due to conditions at the application site and spray application technique.**

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Cylinder Size	“A” Component Net Weight, lbs	“B” Component Net Weight, lbs	Board Foot Coverage
17 gallon	150	135	1954
60 gallon	600	540	7817
120 gallon	1125	1000	14570

Application And Use

3M™ 2-Component Spray Polyurethane Foam Insulation SFI-175 should be sprayed in even layers onto the substrate, with passes ideally at 1 to 1.5 inches. On cooler substrates the first pass should be 0.5 to 1 inch. After this pass cures fully, it will insulate the substrate for subsequent passes. In certain applications, building codes require that applied foam be protected with either a 15 minute thermal barrier or an ignition barrier. Consult your local building codes to determine what type of barrier is required for your particular application.

Compatible Substrates

3M 2-Component Spray Polyurethane Foam Insulation SFI-175 is compatible with many normally used construction materials such as:

- Plywood
- Dimensional lumber
- Fiberboard
- Gypsum board
- Concrete
- Metal
- Unfaced extruded polystyrene board
- Expanded polystyrene board

Note: Temperature of the substrate must be a minimum of 65 deg F prior to application of SFI-175. Temperature of the SFI-175 cylinders should be maintained between 70 to 90 deg F.

Personal Protective Equipment

The area in which SFI-175 is to be applied should be well ventilated. Persons in the work area should wear a NIOSH approved air purifying respirator or a powered air purifying respirator. Protective eyewear, nitrile gloves, and clothing that protects against contact exposure should also be used. Consult the MSDS Sheet for further information.

Storage and Handling

The SFI-175 “A” and “B” containers should be stored between 60° F and 90° F. The shelf life, at these temperatures is 12 months from the date of manufacture. The product temperature prior to application should be between 70° F and 90° F. The minimum ambient and surface temperature should be 65° F.

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Part Numbers (SKU)	Part Number
3M™ 2-Component Spray Foam Insulation SFI-175 Part “A” 17 Gallon Cylinder	62-4804-8150-6
3M™ 2-Component Spray Foam Insulation SFI-175 Part “B” 17 Gallon Cylinder	62-4805-8150-3
3M™ 2-Component Spray Foam Insulation SFI-175 Part “A” 60 Gallon Cylinder	62-4804-8300-7
3M™ 2-Component Spray Foam Insulation SFI-175 Part “B” 60 Gallon Cylinder	62-4805-8300-4
3M™ 2-Component Spray Foam Insulation SFI-175 Part “A” 120 Gallon Cylinder	62-4804-8600-0
3M™ 2-Component Spray Foam Insulation SFI-175 Part “B” 120 Gallon Cylinder	62-4805-8600-7

Technical Information	The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.
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Product Use	Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user’s method of application.
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