



1 PRODUCT NAME FROTH-PAK™ 180 Spray Foam

2 Manufacturer

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3 Product Description

BASIC USE

Available in two densities, FROTH-PAK™ 180 Spray Foam is a two-component, quick-cure polyurethane foam that fills cavities, penetrations, cracks and expansion joints. FROTH-PAK 180 Tank Only (2.75 pcf) can also be used as a sealant in many roofing applications. Unlike one-component foam, which uses moisture as a curing agent, FROTH-PAK is a chemically cured foam, significantly reducing curing time. FROTH-PAK dispenses, expands and becomes tack-free in seconds. The product will skin over in 30-40 seconds and will be completely cured in less than one minute.

FROTH-PAK 180 Spray Foam can be used in either interior or exterior industrial, commercial, institutional and residential settings. If used in an exterior setting, a coating must be applied for ultraviolet (UV) protection.

SIZES

FROTH-PAK™ 180 Spray Foam Kit (1.75 pcf) is typically sold as a complete 30 lb portable kit that includes pressurized “A” and “B” tanks, plus hose assembly and accessories. At 2.75 pcf, FROTH-PAK 180 Tank Only is available in refillable tanks. Additional product sizes may be available. Consult your Dow sales representative about other sizes and lead-time requirements as well as additional FROTH-PAK products suitable for your application.

4 Technical Data

APPLICABLE STANDARDS

ASTM International

- C518 – Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
- C273 – Standard Test Method for Shear Properties of Sandwich Core Materials

- D1621 – Standard Test Method for Compressive Properties of Rigid Cellular Plastics
- D1622 – Standard Test Method for Apparent Density of Rigid Cellular Plastics
- D1623 – Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
- D2842 – Standard Test Method for Water Absorption of Rigid Cellular Plastics
- E96 – Standard Test Methods for Water Vapor Transmission of Materials
- C203 – Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation

PHYSICAL PROPERTIES

FROTH-PAK™ 180 Spray Foam exhibits the typical properties and characteristics indicated in Table 1 when tested as represented.

TABLE 1

Physical Properties of FROTH-PAK™ 180 Spray Foam	
Property and Test Method	Value
Tack-free Time, minutes	< 1
Tensile Strength, ASTM D1623, psi (kPa), parallel	40.1 (276.4)
Shear Strength, ASTM C273, psi (kPa), parallel	23.9 (164.8)
Flexural Strength, ASTM C203, psi (kPa), min.	23 (158.6)
Compressive Strength, ASTM D1621, psi (kPa), min.	22 (151.7)
Apparent Core Density, ASTM D1622, lb/ft ³ (kg/m ³)	1.70 (27.2)
Water Absorption, ASTM D2842, % by volume, max.	2.5
Water Vapor Permeance, ASTM E96, perm (ng/Pa•s•m ²), max.	3.0 (4.38)
Recommended Application Temperature, °F (°C)	75 (89)

