

DuPont™ Froth-Pak™ Foam Sealant

Two-Component, Quick-Cure, Professional Foam Sealant Kit

FEATURES/BENEFITS

Description

DuPont™ Froth-Pak™ Foam Sealant* is a complete and portable two-component, quick-cure polyurethane foam for gaps greater than 2 inches wide. It can be used in both interior and exterior commercial, residential, agricultural, industrial and institutional settings in a number of applications including roof and wall junctions; wall and attic penetrations; electrical, mechanical and plumbing penetrations; as well as cracks or crevices in the building envelope.

Froth-Pak™ Sealant's industry-leading, customizable dispensing system helps ensure consistent flow rate, on-ratio application and complete dispensing of product. And unlike one-component foam, Froth-Pak™ Sealant is chemically cured – significantly reducing curing time by dispensing, expanding and becoming tack-free in seconds.

With a Class-A flame spread rating, Froth-Pak™ Sealant can be used safely in a wide range of settings, reducing the potential for unwelcome dust, pests, moisture, mold, mildew, allergens and rot.

Ease of Use

Froth-Pak™ Sealant is:

- Easy to set up and spray
- Chemically cured – able to skin over in 30–40 seconds and cures in minutes**
- Available in refillable cylinders or disposable kits
- Useful in commercial applications including spray polyurethane foam roof repair and sealing roof perimeters and parapet walls
- Safe for re-entry in just one hour

Available Sizes

Froth-Pak™ Sealant is typically sold as a complete kit that includes pressurized “A” and “B” cylinders, plus a dispensing gun/hose assembly and accessories. Froth-Pak™ Sealant is also available in refillable, returnable tanks for applications requiring a large amount of foam, such as poultry houses. See Table 1 for size and yield information.

TABLE 1: Sizes and Theoretical Yields for Froth-Pak™ Foam Sealant

Product	Theoretical Yield, ⁽¹⁾ board ft
Kits	
Froth-Pak™ 12	12 (0.03)
Froth-Pak™ 120	120 (0.28)
Froth-Pak™ 200	200 (0.46)
Froth-Pak™ 620	620 (1.46)
Refillable Cylinders	
Froth-Pak™ 17 (gal)	2060 (4.85)
Froth-Pak™ 27 (gal)	3240 (7.65)
Froth-Pak™ 60 (gal)	6860 (16.2)
Froth-Pak™ 120 (gal)	15430 (36.4)
Froth-Pak™ 350 (gal)	43890 (103.6)

¹The theoretical yield has become an industry standard for identifying certain sizes of two-component kits. Theoretical yield calculations are performed in perfect laboratory conditions, without taking into account the loss of blowing agent or the variations in application methods and types.

* Froth-Pak™ Foam Sealant is a former product of The Dow Chemical Company.

** Actual cure time will depend on temperature, foam thickness, the specific nozzle used, etc.

PROPERTIES

Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact DuPont at 1-866-583-2583 when additional guidance is required for writing specifications that include this product.

TABLE 2: Typical Physical Properties of Froth-Pak™ Foam Sealant

These properties are typical but do not constitute specifications.

Property and Test Method	Value
Flame Spread/Smoke Developed, ¹⁾ ASTM E84/UL 723 @ 4" wide by 2" thick	≤25 / ≤450
Nominal Density, ASTM D1622, lb/ft ³	1.75
Thermal Resistance ²⁾ per inch, ASTM C518, ft ² ·h·°F/Btu, R-value, min.	
Initial	6.6
Aged LTRR measured at 2" thick	10.6
Water Vapor Permeance, ASTM E96, perm @ 1" thick	3.13
Water Absorption, ASTM D2842, % by volume	5.44
Air Permeability, ASTM E2178 air leakage at 1" thick, l/min @ 75 Pa	0
Air Permeability, ASTM E283 air leakage at 0.5" thick, ft ³ /min·ft ² @ 75 Pa	0
Dimensional Stability, ASTM D2126, % volume change	
158°F/100% RH @ 1 wk	0.70
158°F/100% RH @ 2 wks	-0.06
-40°F/amb RH @ 1 wk	0.02
-40°F/amb RH @ 2 wks	0.36
Compressive Strength, ASTM D1621, lb/in ² , parallel	23.4
Flexural Strength, ASTM C203, lb/in ² , parallel	22.7
Tensile Strength, ASTM D1623, lb/in ² , parallel	36
Shear Strength, ASTM C273, lb/in ² , parallel	12.7
Maximum Service Temperature, °F	240

¹⁾ Tested at 2" thickness, full coverage.

²⁾ This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

³⁾ R means resistance to heat flow. The higher the R-value, the greater the insulating power.

INSTALLATION

Use Conditions

- Complete operating instructions are provided with each **DuPont™ Froth-Pak™ Foam Sealant** purchase. Read all information and cautions before application.
- **Froth-Pak™ Sealant** will adhere to most surfaces and skin. Do not get foam on skin. Wear protective clothing (including long sleeves), gloves, and goggles.
- Check with local codes prior to use. If used in an exterior setting, a coating must be applied for ultraviolet (UV) protection.

Application

- Avoid overfilling restricted spaces. Chemicals exert force during reaction, and expansion of foam may result in substrate deformation.
- Re-entry allowed after only one hour.

Curing

- Cure time will depend on temperature, foam thickness, the specific nozzle used, etc.
- Cured foam must be mechanically removed or allowed to wear off in time.

Equipment

Dispensing gun/hose assembly and accessories included in kit.

TESTING

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
- **D2126** – Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
- **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

Notice

DuPont™ Froth-Pak™ Foam Sealant complies with the following codes:

- **CCMC 13447-L** Underwriters Laboratories, Inc. (UL) Classified, see Classification Certificate R13655

Contact your DuPont sales representative or local authorities for state and local building code requirements and related acceptances.

HANDLING

WARNING: For Professional Use Only – Read and follow the entire Handling section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont™ products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

- **Froth-Pak™ Foam Sealant** will adhere to most surfaces and skin. Do not get foam on skin. Wear protective clothing (including long sleeves), gloves, and goggles. Cured foam must be mechanically removed or allowed to wear off in time.
- **Froth-Pak™ Sealant** should not be used around heaters, furnaces, fireplaces, recessed lighting fixtures or other applications where the foam may come in contact with heat-conducting surfaces.
- Cured **Froth-Pak™ Sealant** is combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F.
- Avoid overfilling restricted spaces. Chemicals exert force during reaction, and expansion of foam may result in substrate deformation.
- Froth-Pak™ spray polyurethane foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Do not breathe vapor or mist. Use only with adequate ventilation. Increased ventilation significantly reduces the potential for isocyanate exposure.
- Isocyanate is irritating to the eyes, skin and respiratory system, and may cause sensitization by inhalation or skin contact.
- Contents are under pressure.

Personal Protective Equipment (PPE)

Personal protective equipment (PPE) used during the handling of Froth-Pak™ products must at a minimum include:

- Protective clothing including long sleeves, gloves, and goggles.
- RECOMMENDED – Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particulate filter to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits.
- IF ATMOSPHERIC LEVELS EXCEED THE LEVEL FOR WHICH AN AIR-PURIFYING RESPIRATOR IS EFFECTIVE – A positive-pressure, air-supplying respirator such as an air line or self-contained breathing apparatus.

Disposal

Dispose of any residual DuPont™ product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.



**For more information visit us at
frothpak.com/sealant
or call 1-866-583-2583**

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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult (Material) Safety Data Sheet ((M)SDS), call DuPont at 1-866-583-2583 or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Froth-Pak™ Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and Material Safety Data Sheets carefully before use. Wear protective clothing (including long sleeves), gloves, goggles or safety glasses, and proper respiratory protection. Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

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