The FROTH-PAK™ Foam Sealant kit is a portable, two-component, spray polyurethane foam dispensing system for insulation, air sealing and moisture management around the building envelope. It provides a cost-effective way to repair roofs to maintain air sealing and moisture control.

GETTING READY

MATERIALS AND EQUIPMENT

- FROTH-PAK™ Foam Sealant kit (2.75 lb/ft³) complete with dispensing gun/hose assembly, dispensing nozzles, petroleum jelly packet and operating instruction sheet
- Protective wear including goggles, gloves and clothing
- Roofing knife or handsaw
- 10-12 mil polyethylene
- 5/8” to 3/4” plywood (larger than area to be repaired)
- Paintbrush or roller
- Protective roof coating (similar or compatible to originally applied coating)

ENVIRONMENTAL CONDITIONS

- FROTH-PAK™ Polyurethane Spray Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Do not breathe vapor or mist. Use only in well-ventilated areas or with proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter may be required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure, air-supplying respirator (air line or self-contained breathing apparatus).
- Store FROTH-PAK™ foam at 75°F (24°C). Do not store at temperatures above 120°F (49°C).
- Avoid prolonged storage in direct sunlight or near heat sources.
- Do not expose foam to flame or temperatures above 240°F (116°C).

APPLICATION GUIDELINES

NOTE: Always check with local building officials and codes for additional requirements prior to using FROTH-PAK™ foam.

ASSESS REPAIR

Before using FROTH-PAK™ foam sealant for roof repair, assess the volume of the areas to be filled (e.g., width x depth x length) to determine the amount of foam or number of kits needed to complete the task. Each FROTH-PAK™ Foam Sealant kit contains approximately 115 bd. ft. or 9.6 cu. ft. of foam.

NOTE: For repair areas less than 4” (100 mm) in diameter and less than 1” (25 mm) deep, use a compatible sealant instead of FROTH-PAK™ foam. In some cases, a plug of FROTH-PAK™ foam can be used in conjunction with a compatible sealant.

PREPARE WORK AREA

1. Remove all contaminants (water, oil, dust, dirt, debris, old sealants, etc.) that may affect the adhesion between the surface and the foam. If in doubt, conduct an adhesion test, waiting at least 1 hour to assess the bond.
2. Check material compatibility. FROTH-PAK™ foam is not compatible with silicone coatings. Remove any silicone coating at least 6” (150 mm) from the area to be sprayed.
3. If the area to be repaired has been previously painted, scrape away all loose or poorly adhered paint. Conduct an adhesion test if any previously painted surfaces are involved in the repair.
4. If the area is wet, let the surface dry completely. Any additional moisture may cause premature curing and limit work time of the FROTH-PAK™ foam.
5. Check the underlying substrate for soundness and repair, if applicable.

APPLY FROTH-PAK™ FOAM

Follow the instructions in “Getting Ready” as well as the operating instructions included in the FROTH-PAK™ kit packaging. If you have any questions, contact your local Dow representative, call 1-866-583-BLUE (2583) or access the literature library at: www.sprayfoamatdow.com

General application

Filling small pitch pockets:

1. Depending on the depth of the pocket, use two or more coats or passes of the foam to obtain the desired thickness (Figure 2). Apply the foam in layers of 2” (50 mm) or less in any single pass.
2. Once the foam has cured (approximately 5 minutes), the foam should be no higher than the top of the pocket.

6. Cut the damaged or blistered area at an inward, tapered, 45° angle (Figure 1). Cut back any defective and moist foam until solid, dry foam is exposed. Where possible, remove at least 6” (150 mm) beyond the area to be repaired.
NOTE: If the foaming area to be filled is wide, start by spraying from the edge and build toward the center.

Filling large pitch pockets and/or general roof repair:
1. Place a piece of plywood wrapped in polyethylene next to the area to be filled.
2. Spray FROTH-PAK™ foam with a back and forth motion into the first 4” to 6” (100 mm to 150 mm) of the repair area. Apply the foam in layers up to 2” (50 mm), in passes of 1” or less in any single pass and no more than 8” wide (Figure 3).

Figure 3

3. Before the foam expands, slide the plywood back over the polyethylene to cover the sprayed area (Figure 4). Apply pressure to the plywood immediately for approximately 1 minute.

Figure 4

4. Repeat until the entire repair area has been sprayed. Remove the plywood/polyethylene.
5. Once the foam has cured (approximately 5 minutes), remove any overspray with a roofing knife (Figure 5). If additional shaping is required, cut the cured foam with a handsaw.

Figure 5

APPLY FINISH COATING

NOTE: Always protect FROTH-PAK™ foam within 3 hours after application with a protective coating.

Brush or roll a 30-40 mil quality protective coating (similar or compatible to the originally applied coating) (Figure 6).

Figure 6

CLEANUP, STORAGE AND DISPOSAL

Follow the storage and disposal instructions included in the FROTH-PAK™ kit packaging.
1. Dispose of any foam waste and empty FROTH-PAK tanks as a non-hazardous waste (outlined in the operating instructions) and in accordance with local and state/provincial regulations.
2. Depressurize tanks prior to disposal.

www.sprayfoamatdow.com
Technical Information
1-866-583-BLUE (2583) (English)
1-800-363-6210 (French)

Sales Information
1-800-232-2436 (English)
1-800-565-1255 (French)

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COMBUSTIBLE: FROTH-PAK™ Foam Sealant is organic and combustible and may constitute a fire hazard. Do not expose foam to flame or temperatures above 240°F. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-436-4400.

FROTH-PAK™ Polyurethane Spray Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and Material Safety Data Sheets carefully before use. Wear protective clothing, gloves, goggles or safety glasses, and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter may be required to maintain exposure levels below ACGIH, OSHA, WEL or other applicable limits. Provide adequate ventilation. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.