



Technical Bulletin

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DAP[®] FIREBLOCK FOAM Polyurethane Foam Sealant

- Quickly fills large gaps, cracks, and openings.
- Ideal to fill spaces around penetrations/ vents, ducts, pipes, and wires in residential (“Type V”) construction. Also use for stair/ floor joints; and at the ceiling and floor level.
- Orange color for easy code official identification.
- Evaluated per ICC-ES Report ESR-1868.
- High yield; 1-12 oz. can yields up to 15-28oz caulk tubes.

Packaging: Net Weight 12oz. (340 g/ 300 mL)
Color: Orange
UPC Number: 70798 44242, 70798 11761

Company Identification:

Manufactured for: DAP Products Inc., 2400 Boston St., Baltimore, Maryland 21224
Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.
Order Information: 800-327-3339
Fax Number: 410-534-2650
Also, visit the DAP website at www.dap.com.

Product Description:

DAP[®] FIREBLOCK FOAM is a polyurethane foam sealant that can be used in place of traditional fireblock materials. Fireblock foam is ideal for filling large gaps around vents, ducts, pipes, and wires. Also use for stair/ floor joints; and wall joints at the ceiling and floor level. The foam expands 2-1/2 to 3 times its dispensed size. ASTM E-84 (12.5%): Flame spread = 25; Smoke development = 50. UL Classified – File # R13919 Caulking and Sealants. Product is for Type V residential construction, to be used as a through-penetration sealant. Tested in accordance with ASTM E-814 (modified) to establish that the product is equivalent in performance to the fireblocking materials prescribed in the applicable code. Evaluated by ICC-ES Report ESR-1868. **Check with local code compliance authorities prior to use. Not for commercial/ industrial code applications. Not for E-814 applications or assemblies (i.e., not for one/two hour fire-rated walls and floors). Not a fire stopping sealant.** Contains no formaldehyde.

Suggested Uses:

The International Residential Code, Section R602.8 requires fireblocking in wood frame construction, including around joints, vents, ducts, pipes, and wires. DAP® FIREBLOCK FOAM is approved as an alternative to prescriptive approaches, such as dimension lumber, cement millboard, mineral wool, or fiberglass. It provides an insulating seal to wood, concrete, brick, vinyl, steel and aluminum. **NOT RECOMMENDED FOR USE IN FILLING ENCLOSED CAVITIES (BETWEEN WALLS OR UNDER TUB SURROUNDS).** May cause jambs or sills to buckle.

Performance Characteristics:

- Tack free in 10 minutes. Fully cured in 12-24 hours. (Cure times vary based on bead size, temperature and humidity.) Trimmable in <1 hour (1" bead).
- Foam will provide a high flow rate and unsurpassed performance in cold temperature due to the low viscosity and robust formulation.
- Adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon®, silicone, oils and greases, mold release agents, and similar materials.

Approvals & Standards:

- UL Classified – file #R-13919 Caulking and Sealants
- ASTM E-84 (12.5% board coverage)
- Flame Spread 25
- Smoke Developed 50
- VOC Content: Contains less than 20% by weight VOC's
- NFPA 30B Classification: Level 2 Aerosol

Surface Preparation & Application:

Wear protective gloves, protective eyewear and suitable work clothes during use. Use with adequate ventilation. Optimum temperature for use is between 65°-80°F (18°C-27°C). Clean grease and oil off surfaces to be foamed. Cover surrounding surfaces.

1. Shake well. Screw nozzle adapter onto valve stem, being careful not to activate valve.
2. With valve end of can down (i.e., with base of can upright during use), slowly press trigger to dispense foam. Test on experimental surface.
3. Dries tack-free in approximately 10 minutes, trimmable in 1 hour and cures in 12-24 hours. Do not disturb uncured foam.
4. Uncured foam can be cleaned up with acetone. Excess cured foam can be removed by trimming with a sharp knife. Do not use acetone or other solvents to remove product from skin.
5. Cured foam exposed to outdoors must be covered with paint or stain within 2 days.
6. Store upright in cool, dry area. Leave nozzle on can. To reuse, cut 1 in. (3 cm) off nozzle tip.

Physical & Chemical Characteristics:

Color:	Orange
Consistency:	Foam
Vehicle:	Isocyanate Prepolymer
Flash Point:	N/A
Propellant:	Hydrocarbon Propellant
Specific Gravity:	1.1
Shelf Life:	12 months

Weight/Gallon:	9.2 lbs.
Service Temperature:	Cured foam is resistant to heat and cold, at temperatures of -200°F – 240°F (-129°C – 115 °C)
Optimal Application Temperature:	65°F – 80°F (18°C – 27°C) <i>(Foam may be used between 40°F – 115°F (4°C – 46 °C))</i>
Insulation Rating:	4-5 per inch
Coverage:	Approximately 560 linear feet @ 3/8" bead. Yield will vary depending on ambient conditions & particular application.
MSDS No:	000 77006 001

PRECAUTIONARY MEASURES FOR USE, HANDLING, STORAGE AND DISPOSAL: Use in a well ventilated area. Do not get on eyes or skin. Do not breathe vapors. Wear gloves and eye protection with side shields. **Product is EXTREMELY FLAMMABLE WHEN DISPENSING! Vapor may ignite explosively.** Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, and other sources of ignition during use and until vapor is gone. Do not puncture, strike or incinerate can. Do not expose to heat or store above 120°F. Do not place in hot water or near radiators, stoves or other sources of heat. Do not keep can in direct sunlight or high temperature areas, such as automobiles. If exposed to heat or direct sunlight, container may explode. Store in a cool dry place. Use only as directed. This product is combustible and may constitute a fire hazard if improperly used. **DO NOT USE NEAR OPEN FLAME.** Cured foam may be combustible if exposed to flame or temperatures above 240°F. If burned, cured foam may release hazardous decomposition products. For additional information refer to the Material Safety Data Sheet.

Clean Up:

Uncured foam can be cleaned up with paint thinner or acetone. Cured foam cannot be removed with solvents. Excess cured foam can be removed by trimming with a sharp knife. **DO NOT** use acetone or other solvents to remove product from skin. **SKIN CONTACT:** Wipe excess uncured foam off with a paper towel immediately. Wash remaining uncured foam immediately with soap and water. Remaining uncured residue can be removed with petroleum jelly or baby oil. For cured foam, soak in warm soapy water, then apply petroleum jelly. Cured foam will wear off in time. Remove contaminated clothing.

Safety:

See product label or Material Safety Data Sheet for safety information. You can request an MSDS sheet by calling 888-DAP-TIPS or by visiting our website at www.dap.com.

SATISFACTION GUARANTEED: If not satisfied with product performance when used as directed, DAP Products Inc. will either provide a product replacement or a sales price refund. Call 1-888-DAP-TIPS, with your sales receipt and product container available, to arrange for warranty fulfillment. DAP will not be responsible for incidental or consequential damages.

