



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224
Phone: 410-675-2100 or 800-543-3840

Revised: 5/4/2017

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-3906.
- High yield; 1-12 oz. can yields up to 15-28oz caulk tubes.

Packaging: Net Weight 12 oz. (340 g)
Colors: Orange
UPC Numbers: 7079844242

Company Identification:

Manufacturer: DAP Products Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.

Order Information: 800-327-3339

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 (25%): Flame spread = 10; Smoke development = 70. UL Classified – File # R18624 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-3906 **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.

Applicable Test Standards:

- ASTM E 814/UL 1479: Standard Test Method for Fire Tests of Through Penetration Firestops
- UL Classified – file #R-18624 Caulking and Sealants
- ASTM E-84 (25% board coverage)
- Flame Spread 10
- Smoke Developed 70
- VOC Content: 179.4 g/L
- NFPA 30B Classification: Level 2 Aerosol

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.

Surface Preparation & Application:

Wear protective gloves, protective eyewear and suitable work clothes during use. Use with adequate ventilation. Ambient temperature during use is between 50°F-85°F (10°C-30°C), with an optimal temperature of 68°F (20°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 fully 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.

Typical Physical & Chemical Characteristics:

Color:	Orange
Consistency:	Foam
Vehicle:	Polyurethane polymer
Flash Point:	-143°F (-97°C)
Propellant:	Hydrocarbon propellant
Foam Density:	0.2 lbs./gal
Shelf Life:	12 months
Weight/Gallon before dispensing:	8.6 lbs. / gal
Service Temperature:	Cured foam is resistant to heat and cold, at temperatures of -40°F – 195°F (-40°C – 90 °C) with excursions, up to 265°F (130°C)
Application Temperature (can):	50°F– 85°F (10°C – 30°C)
Application Temperature (ambient):	40°F – 95°F (5°C – 35°C)
Insulation Rating:	4 – 5 per inch
Coverage:	Approximately 430 linear feet @ 1/2” bead. Yield will vary depending on ambient conditions & particular application
SDS No:	00077006004

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:

DANGER: CONTAINS DIPHENYLMETHANEDIISOCYANATE – ISOMERS AND HOMOLOGUES TCPP AND HYDROCARBON PROPELLANT. May be harmful if inhaled, swallowed or on skin. May cause irritation to skin, eyes and lung. May cause sensitization by inhalation or skin contact. **INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS SUCH AS ASTHMA OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST.** May affect the brain or nervous system causing dizziness, headache or nausea. **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Do not breathe vapor. Use only with adequate ventilation. Ensure fresh air entry during application. Avoid contact with skin and eyes. Wear protective clothing, impervious gloves and eye protection. Vapor may ignite explosively. Keep away from heat, sparks & flame. Do not smoke. Extinguish all flames & pilot lights. Turn off stoves, heaters, electrical motors, & other sources of ignition during use & until vapor is gone. Do not puncture, strike, incinerate or expose to heat above 120°F. Store in a cool, dry place. Container may explode if exposed to heat or direct sunlight for extended period of time. Cured foam is combustible and may present a fire hazard if exposed to flame or temperatures above 240°F. **FIRST AID: SKIN: DO NOT** use

solvents to remove product from skin. Wipe excess uncured foam off with a paper towel immediately and wash with warm, soapy 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. **EYE:** Immediately flood with large quantities of water. **INHALATION:** Remove to fresh air. **INGESTION: DO NOT INDUCE VOMITING.** Get medical attention immediately if complications arise from any exposure. For emergencies, call your poison control center at 1-800-222-1222. See Safety Data Sheet (SDS) for additional information. For an SDS contact your supplier. **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.** See product label or Safety Data Sheet for safety information. You can request an SDS sheet by calling 888-DAP-TIPS or by visiting our website at www.dap.com.

Warranty Information:

If the product fails to perform when used as directed within one year of purchase, 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.