

TriggerFoam™ Polyurethane Expanding Foam

PRODUCT DESCRIPTION

TriggerFoam is a one part polyurethane expanding foam which sets into its final form by using moisture present in the air. When installing the foam, consideration should be given to the two fold expansion of the foam after it leaves the nozzle. The surface of the foam initially dries within 1-4 hours and becomes fully cured in 12-15 hours. TriggerFoam sets well on ordinary surfaces such as concrete, brick, metal, etc. Surfaces do not require preparation and can also be damp. After installation, it is recommended that a full 24 hours elapse prior to scraping, sanding, staining or painting. The foam has a R-5 value when used in place of traditional installation methods.

GENERAL APPLICATIONS AND USES

TriggerFoam is dispensed through a special gun that allows the user to control the rate of flow as well as the size of the bead for more precise placement of the product, allowing it to be used in a wide variety of applications. Use it to fill, seal or insulate. It blocks drafts, stops leaks, saves energy, adheres to all types of construction materials, deadens sound, acts as a buoyancy material once cured, controls radon, confines asbestos fibers, and can be used in HVAC applications.

Insulating

- Around window frames, sills, door frames floor/wall joints
- Electrical junction boxes
- Attics
- Refrigeration units and pipes
- Air conditioning systems

Filling

- Breaches in walls
- Pipe penetrations in non-fire rated walls
- Sound Dampening
- Underground ductwork
- Voids in concrete forms

FEATURES AND BENEFITS

- CFC free propellant
- Class B3 Flame retardant
- Physiologically harmless when fully cured
- Contains no urea formaldehyde or PCB's
- Does not rot or deteriorate with age
- Neutral odor
- High foam yield – up to 1.6ft³ per 29 oz. can
- Easily adjustable applicator can dispense foam beads as small as 1/8"
- Hardened steel dispenser tip for longer life on metal tool
- Precision plastic valve helps prevent pressure loss and prolongs shelf life
- Stop and go application product remains liquid in applicator until dispensed
- Minimal subsequent expansion (± 10%)
- Compatible with PVC
- VOC

APPROVALS AND LISTINGS

Underwriters Laboratory (UL Listing) – File No. R16754, Caulkings and Sealants

- Tested in accordance with UL 723 "Test for Surface Burning Characteristics of Building Materials"
- Applied to Inorganic Reinforced Cement Board tested as applied in two 1" diameter beads, 8" OC covering 11.1 percent of the exposed test area:
Flame spread 15
Smoke developed 15

Tested in accordance with ASTM E 90 (Sound Transmission Classification 60), ASTM C 518 and ASTM C 423

DIN Standard 4102 Part 1, Section 6.2.5.2 – Test Certificates PZ IV/00-063 & PZ IC/00-068

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TriggerFoam

CAN SIZES

29 oz.

SUITABLE BASE MATERIALS

Concrete
Masonry
Wood
Metal
Aluminum
Steel

TECHNICAL DATA

Volume yield	29 oz.: 2,420 -2,765 in ³ or 1.4 -1.6 ft ³ (40-45 liters)
Specific gravity (of foamed product)	1.25 -1.56 lb/ft ³
Application temperature	32°F (0°C) minimum for application surfaces
Tack free time	5-10 minutes (depending on temperature and humidity)
Cutting time	15-20 minutes (depending on temperature and humidity)
Initial drying time	1-4 hours (depending on temperature and humidity)
Full curing time	12 - 15 hours (depending on temperature and humidity)
Water absorption	Maximum 1% by volume
Temperature resistance on cured product	-8°F to +212°F
Compressive strength	1.0 psf
Elongation at breakage	20 - 25%
Contents	29 oz. (900g) Net Weight
Shelf life	24 months (50°F to 70°F) Higher temperature = shorter shelf life (must be stored in vertical position)

INSTALLATION PROCEDURES

- Remove any dirt, dust, grease and any other loose debris from the building elements surface prior to applying TriggerFoam. It is helpful to dampen the surface to enhance TriggerFoam's ability to bond prior to dispensing.
- Remove the cap of the aerosol can to reveal the plastic threaded connection and valve stem. Select a TriggerFoam Gun and attach to the can by engaging the gun's matching threads and turning clockwise until tightened. Be careful not to overtighten.
- Shake can well and follow the arrows on the label indicating the direction of use. Turn the can over as suggested by the arrows. The TriggerFoam Gun is now effectively at the "bottom" of the can.
- Prior to dispensing TriggerFoam, open the screw located at the rear of the gun by turning counterclockwise (initially about 1/4 turn), and then pull the trigger. Adjusting the screw will control the size of the dispensed bead of foam. Varying pressure on the trigger will control the rate of flow. Caution: do not completely remove the screw at the rear of the gun while connected to a "live" can of TriggerFoam.
- It is not necessary to exhaust the entire contents of the can. When finished applying TriggerFoam, the screw at the rear of the gun can be tightened to halt further flow. Do not remove the TriggerFoam gun from the can. Peeling cured foam off the end of the gun's nozzle and reopening the screw allows for use of the remaining contents at a later time.
- While the application is ongoing, remove the exhausted can and immediately mount a new can of TriggerFoam onto the gun while it still contains wet, uncured foam. When the job is done and the last can of TriggerFoam is exhausted, immediately unscrew the gun from the can and attach a well-shaken can of TriggerFoam Cleaner. Two or three quick squirts of TriggerFoam Cleaner through the gun while the foam is sill wet and uncured is recommended to keep the gun clean and ready for the next application. Completely emptied cans of TriggerFoam can be discarded with common construction waste. Cured foam can only be removed mechanically.

ORDERING INFORMATION

TriggerFoam

Cat. No.	Description	Standard Box	Standard Carton
8136	TriggerFoam 29 oz.	12	12



TriggerFoam Tools and Accessories

Cat. No.	Description	Standard Box	Standard Carton
8137	TriggerFoam Subfloor Gun 22"	1	1
8139	TriggerFoam Plastic Gun	1	1
8140	TriggerFoam Gun	1	1



Cleaner

Cat. No.	Description	Standard Box	Standard Carton
8142	TriggerFoam Cleaner 20 oz.	12	12

