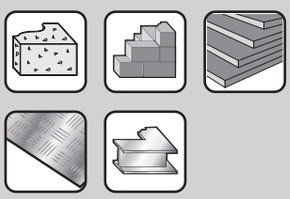
DEWALT
ENGINEERED BY Powers

TRIGGERFOAM™ PRO - FIREBLOCK EXPANDING POLYURETHANE FOAM

DESCRIPTION

TriggerFoam Pro is a one part polyurethane expanding foam, designed to effectively block the spread of smoke and flame in Type V residential construction. Triggerfoam Pro sets into its final form by using moisture present in the air. When installing the foam, consideration should be given to the 2-3 times expansion of the foam after it leaves the nozzle. The surface of the foam initially dries within 1-5 hours and becomes fully cured in 12-15 hours. TriggerFoam Pro 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 equivalent value when used in place of traditional installation methods.

MATERIALS



APPROVALS

- International Code Council Evaluation Service (ICC-ES), ESR-3263 for Thermal and Moisture Protection and annular space protection for wood fire blocking. Code compliant with the 2021 IBC/IRC, 2018 IBC/IRC, 2015 IBC/IRC, and 2012 IBC/IRC.
- Underwriters Laboratory (UL Listing) – File No. R16754, Caulkings and Sealants Tested in accordance with UL 723 “Test for Surface Burning Characteristics of Building Materials” and ASTM E814M
- Applied to Inorganic Reinforced Cement Board tested as applied in two 19.05mm diameter beads, 127mm OC covering 12.5 percent of the exposed test area: Flame spread 5 Smoke developed 10
- Tested in accordance with ASTM E 90 (Sound Transmission Classification 60), ASTM C 518 and ASTM C 423

PRODUCT OVERVIEW

Cat No.	Cartridge Size	Box Qty	Carton Qty
DFC6008133	TriggerFoam Pro FireBlock 822g	12	12

GENERAL APPLICATIONS AND USES

TriggerFoam Pro 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, helps confine asbestos fibers, and can be used in HVAC applications.

INSULATING

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

FILLING

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

FEATURES AND BENEFITS

- CFC free propellant
- Class B2 Flame retardant
- Physiologically harmless when fully cured
- Contains no urea formaldehyde or PCB’s
- Does not rot or deteriorate with age
- Low odor
- High foam yield – up to 0.050m^3 per 822g can
- Easily adjustable applicator can dispense foam beads as small as 3.2mm
- Hardened steel dispenser tip forlonger life on metal tools
- Precision valve helps prevent pressureloss and prolongs shelf life
- Stop and go application product remains liquid in applicator until dispensed
- Minimal subsequent expansion (± 10%)
- Compatible with PVC
- VOC: 176 g/L

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TECHNICAL DATA

Volume Yield	29 oz.: 2,420-3,110 in3 or 1.4-1.8 ft3 (40-50 liters or 0.05m³)
Density (Of Foamed Product)	1.49-167kg/m
Application Temperature	5°C / 41°F minimum for application surfaces
Tack Free Time	5-10 minutes (depending on temperature and humidity)
Cutting Time	10-15 minutes (depending on temperature and humidity)
Initial Drying Time	1-5 hours (depending on temperature and humidity)
Full Curing Time	12 -15 hours (depending on temperature and humidity)
Temperature Resistance On Cured Product	-40°c to +90°c / 40°F to +195°F
Compressive Strength	1.0 psf
Elongation At Breakage	20 -30%
Water Absorption	Less than 1% by volume (DIN 53428)
Contents	822g Net Weight
Shelf Life	18 months +5°C to +25°C / 1°F to 77°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 Pro. It is helpful to dampen the surface to enhance TriggerFoam Pro'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 Pro Gun is now effectively at the "bottom" of the can.
- Prior to dispensing TriggerFoam Pro, 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 Pro, the screw at the rear of the gun can be tightened to halt further flow. Do not remove the TriggerFoam Pro 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 Pro onto the gun while it still contains wet, uncured foam. When the job is done and the last can of TriggerFoam Pro is exhausted, immediately unscrew the gun from the can and attach a well-shaken can of TriggerFoam Pro Cleaner. Two or three quick squirts of TriggerFoam Pro 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 Pro can be discarded with common construction waste. Cured foam can only be removed mechanically.

TOOLS AND ACCESSORIES

Cat No.	Cartridge Size	Box Qty	Carton Qty
TFTOOL-PWR	TriggerFoam Pro Metal Gun	1	1
TFTOOLDIS	TriggerFoam Pro Plastic Gun	1	10

Cat No.	Cartridge Size	Box Qty	Carton Qty
DFC6008147	TriggerFoam Pro Cleaner 364g	6	6