

## PowerFoam™ Expanding Polyurethane Foam

### PRODUCT DESCRIPTION

PowerFoam is a single component, moisture curing expanding polyurethane foam. The adhesive strength of PowerFoam allows it to be set on various types of building elements including concrete, brick, wood, metal, aluminum and steel. When installing the foam, consideration should be given to the 2-3 times expansion of the foam after it leaves the plastic tube. The surface of the foam initially dries within 1-5 hours and becomes fully cured in 12-15 hours. The foam works best at room temperature. It is dispensed through a straw-like plastic tube that is packaged with the can. The structure of the hardened foam provides excellent insulation against heat and noise. The foam has a R-5 equivalent value when used in place of traditional installation methods.

### GENERAL APPLICATIONS AND USES

PowerFoam is used in applications where it is not necessary to control the size of the bead or the rate of flow. PowerFoam can 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 material, deadens sound, acts as a buoyancy material once cured, controls radon, confines asbestos fibers, and can be used in HVAC applications. PowerFoam also seals and keeps out insects and rodents. After installation, it is recommended that a full 24 hours elapse prior to scraping, sanding staining or painting.

#### 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
- Water Resistant
- Low odor
- High foam yield – up to 1.8 ft<sup>3</sup> per 29 oz. can
- 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

### 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, 5" OC covering 12.5 percent of the exposed test area:  
Flame spread 10  
Smoke developed 30

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

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PowerFoam

### CAN SIZES

12 oz.  
29 oz.

### SUITABLE BASE MATERIALS

Concrete  
Masonry  
Wood  
Metal  
Aluminum  
Steel

## TECHNICAL DATA

Volume yield	12 oz.: 1,035 - 1,125 in <sup>3</sup> or 0.60 - 0.65 ft <sup>3</sup> (16-18 liters) 29 oz.: 2,420 - 2,765 in <sup>3</sup> or 1.4 - 1.8 ft <sup>3</sup> (50 liters)
Density (of foamed product)	1.25-1.56 lb/ft <sup>3</sup>
Application temperature	41°F (5°C) 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)
Water absorption	Max. 1% by volume
Temperature resistance on cured product	-40°F to +195°F (-40°C to +90°C)
Compressive strength	1.0 psf
Elongation at breakage	20 - 25%
Contents	12 oz. (340g) or 29 oz. (822g) Net Weight
Shelf life	18 months (41°F to 77°F) (-5°C to +25°C) 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 PowerFoam. It is helpful to dampen the surface to enhance PowerFoam's ability to bond prior to dispensing.
- Attached to the aerosol can's cap is a straw-like plastic tube and valve trigger adapter. Remove the cap, plastic tube and valve trigger adapter to reveal the valve stem protruding from the top of the aerosol can. Connect the plastic tube to the valve trigger adapter and the valve trigger adapter to the valve stem. Shake can well and follow the arrows on the label indicating the direction of use. Turn the can over as suggested by the arrows shown on the label. The connected valve trigger adapter and plastic tube are now effectively at the "bottom" of the can.
- Dispense the contents of the can by pressing the valve trigger adapter inward toward the body of the can. If the entire foam contents of the can are not exhausted and the installer wishes to use at a later time, then the valve stem, valve trigger adapter and plastic tube should be immediately cleaned with Powers' TriggerFoam Cleaner while the foam remains in a wet, uncured state. TriggerFoam Cleaner should be shaken well before use. Dried foam can only be removed mechanically. Completely emptied cans of PowerFoam can be discarded with common construction waste.

## ORDERING INFORMATION

### PowerFoam

Cat. No.	Description	Standard Box	Standard Carton
8130N	PowerFoam 12 oz.	12	12
8132N	PowerFoam 29 oz.	12	12

