

## GENERAL INFORMATION

# 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.

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.

### GENERAL APPLICATIONS AND USES

#### 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
- Gaps in construction materials

### 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 ( $\pm 10\%$ )
- Compatible with PVC
- VOC: 213.3 g/L

### 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 E90 (Sound Transmission Classification 60), ASTM C518 and ASTM C423

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POWERFOAM

### CAN SIZES

- 12 oz.
- 29 oz.

### SUITABLE BASE MATERIALS

- Concrete
- Masonry
- Wood
- Metal
- Aluminum
- Steel

**TECHNICAL DATA**

<b>Volume Yield</b>	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)
<b>Density (Of Foamed Product)</b>	1.25-1.56 lb/ft <sup>3</sup> (depending on temperature and humidity)
<b>Application Temperature</b>	41°F (5°C) minimum for application surfaces
<b>Tack Free Time</b>	5-10 minutes (depending on temperature and humidity)
<b>Cutting Time</b>	10-15 minutes (depending on temperature and humidity)
<b>Initial Drying Time</b>	1-5 hours (depending on temperature and humidity)
<b>Full Curing Time</b>	12-15 hours (depending on temperature and humidity)
<b>Application Temperature</b>	41°F (5°C) minimum for application surfaces
<b>Water Absorption of Cured Product</b>	Max. 1% by volume
<b>Temperature Resistance of Cured Product</b>	-40°F to +195°F (-40°C to +90°C)
<b>Compressive Strength of Cured Product</b>	6 psi
<b>Elongation At Breakage of Cured Product</b>	20-25%
<b>Closed Cell Content of Cured Product</b>	60 to 70%
<b>Contents</b>	12 oz. (340g) or 29 oz. (822g) Net Weight
<b>Shelf Life</b>	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	Pack Qty.	Carton Qty.
08130N-PWR	PowerFoam 12 oz.	12	12
08132N-PWR	PowerFoam 29 oz.	12	12

