

## PremFire B2 Elastic Gun Foam

### Product Description

One-component, ready to use polyurethane gun foam for various building applications, e.g. installation of window and door frames, sealing of joints and penetrations, thermal and acoustic insulating. Ensures good results all year around. Near-zero curing pressure and low post expansion avoid deformation of building elements. Adheres well to most materials like wood, concrete, stone, plaster, metal, PVC and polystyrene.

### Features

- Elastic performance
- Near-zero curing pressure and low post expansion avoid deformation of building elements
- Temperature resistance when cured from -50 up to + 90 °C
- Excellent air tightness and thermal insulation properties

### Typical Applications

- Installation of window and door frames
- Sealing and connection of joints (incl. movable or pressure-sensitive joints)
- Insulation of penetrations
- Sealing of thermal and acoustic insulation

### Storage & Shelf Life

Guaranteed shelf life is 12 months from production date if stored in unopened packaging in a cool and dry place at +5 °C to +30 °C. The foam cans must not be stored above +50 °C, near heat sources or in direct sunlight. Store and transport in a vertical position.

### Limitations

The foam does not adhere to Teflon, polyethylene or silicon surfaces. Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque sealant, filler, paint or other material.

### Safety Regulations

Use only in well-ventilated areas. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children (see label and safety data sheet (SDS) for more information).



*Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. October 2014*

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	Value	Unit
Tack Free Time (TM 1014)	6 - 10	min
Cutting Time (TM 1005)	<30	min
Completely Cured In Joint, 3x5cm (+23°C)	<8	h
Curing Pressure (TM 1009, moistened surfaces)	<0.7	kPa
Post Expansion (TM 1010)	<60	%
Density In Joint, 3x10cm (WGM106)	17 - 22	kg/m <sup>3</sup>
Dimensional Stability (TM 1004)	<1	%
Temperature Resistance of Cured Foam	-50 - +90	°C
First Class of Cured FOam (DIN 4102-1)	B3	
Tensile Strength/Elongation (TM 1018, dry surfaces)	>55/27	kPa / %
Tensile Strength/Elongation (TM 1018, moistened surfaces)	>50/20	kPa / %
Compression Strength (TM 1011, moistened surfaces)	>3	kPa
Shear Strength (TM 1012, moistened surfaces)	>30	kPa
Thermal Conductivity (EN 12667, TM 1020)	0.033	W/(m.k)
Sound Reduction Index R <sub>st,w</sub> (EN ISO 10140)	60	dB
Water Vapour Permeability (EN 12086)	0.086	mg/(m.h.Pa)
Air Permeability (DIN 18542, EN 12114)	<0.1	m <sup>3</sup> /(h.m(daPa) <sup>2/3</sup> )
Movement Capability (WGM113)	± 12.5	%
Foam Yield In Joint, 3x5cm (WGM107) Per 750ml Filling Rate	15	m
Foam Yield (TM 1003), Per 750ml Filling Rate	43	l

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### Application Instructions

#### Application Temperature:

- Air temperature during use: -5 °C to +30 °C, best results at +20 °C.
- Can temperature during application: +5 °C to +25 °C, best results at +20 °C.
- Foam can has to be warmed with water or air (max. +30 °C) before starting work in low temperatures.

#### Joint Dimensions:

Max 60mm width/ depth should not be exceeded in one go. If the size of joint/ void exceeds this, multiple applications would be required to 'build up' the void following full curing of each layer.

#### Surface Preparation:

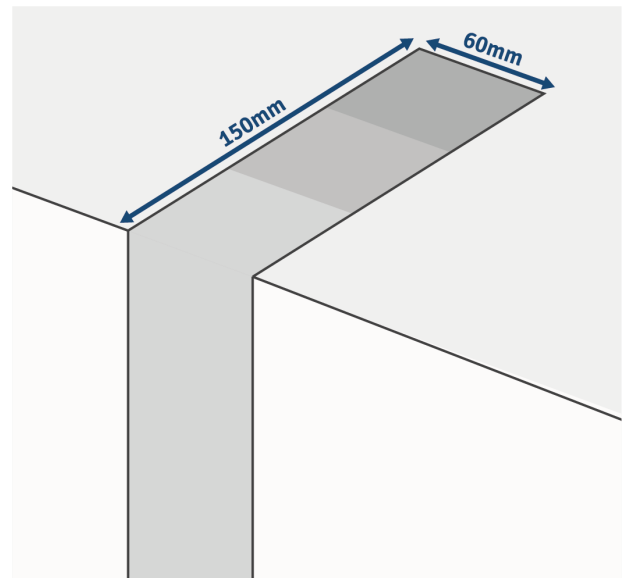
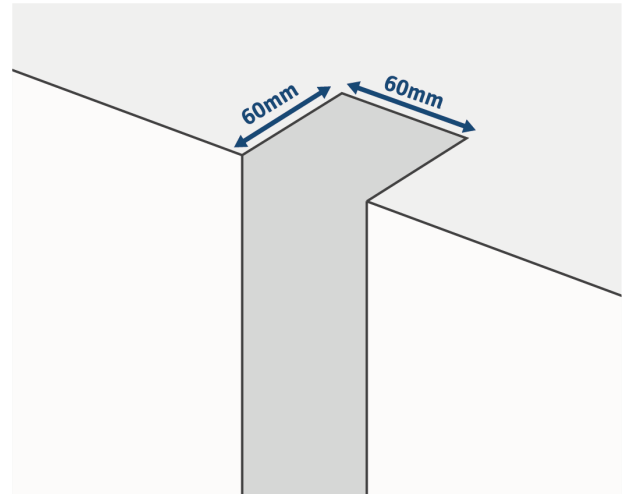
Remove dust, loose particles and grease from the surfaces. Moisten dry substrate to ensure better results. Protect adjacent surfaces with paper, plastic film or other suitable material.

#### Application Method:

Shake the can vigorously at least 20 times. Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed at other persons when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. Turn the can upside down and start applying. The foam output can be adjusted by the gun trigger. When applying foam in layers moisten slightly between each layer.

#### Cleaning:

Uncured foam can be removed with acetone, cured foam with mechanical means.



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