

# PremFire B2 Elastic Gunfoam

## Product Description

One component, ready to use polyurethane gunfoam for installation of window and door frames, sealing of joints and penetrations, thermal and acoustic insulating. Adheres well to most materials like wood, concrete, stone, plaster, metal, PVC and polystyrene.

## Features

- Permanently elastic performance
- Near-zero curing pressure and low post expansion avoid deformation of building elements
- Suitable for all season use, from -5°C up to + 30°C.
- Excellent air tightness and thermal insulation properties

## Typical Applications

- Sealing window and door joints
- Sealing and joining of movable or pressure-sensitive joints
- Reducing the impact of thermal bridges

	Value
Tack free time (EN 17333-3)	6-10 min
Cutting time (30 mm bead, EN 17333-3)	<30min
Fully cured in joint, 3x5cm (+23 °C)	<8h
Curing pressure (EN 17333-2, moistened surfaces)	<0.7kPa
Post expansion (EN 17333-2)	<60%
Density in joint, 3x10cm (WGM106)	17-22kg/m <sup>3</sup>
Dimensional stability (EN 17333-2, moistened surfaces)	<1%
Temperature resistance of cured product	-50 to +90 °C
Fire class of cured foam (DIN 4102-1)	B2
Tensile strength / elongation (EN 17333-4, moistened surfaces)	>55/20kPa / %
Compression strength (EN 17333-4, moistened surfaces)	>3kPa
Shear strength (EN 17333-4, moistened surfaces)	>30kPa
Thermal conductivity (EN 12667, EN 17333-5)	0,033W/(m·K)
Sound reduction index R <sub>st, w</sub> (EN ISO 10140)	63dB
Water vapour permeability (EN 12086)	<0,086mg/(m·h·Pa)
Colour	Green
Air permeability (DIN 18542, EN 12114)	a<0.1m <sup>3</sup> /[h·m (daPa) <sup>2</sup> /3]
Movement capability (WGM113)	±12,5%
Package	1000 ml aerosol can, content 800 ml

Average full curing time in joint:

Temperature °C	Time (hours)
+20	8
+5	12
-5	24

## Application Instructions

Application conditions:

Air temperature during use: -5°C to +30°C. Make sure the ambient temperature stays within this range until the foam has fully cured.

Can temperature during application: Can temperature during application: +5°C to +25°C, best results at +20°C. Keep the canister at temperature from +15°C to +20°C for at least 6 hours prior to use to obtain maximum volume output and optimal physical and mechanical properties.

Surface preparation:

Remove dust, loose particles and oil stains from the surfaces. Moisten dry substrate with water mist to ensure better results. Protect adjacent surfaces with paper, plastic film or other suitable material. If needed add additional shield outside for weather protection (against rain, wind, etc.).

Application method:

Shake the can vigorously at least 20 times. Remove the cap. Hold the foam can in upright position with valve up. Screw the can tightly to the gun by holding the gun handle with one hand and turning the can with the other hand. Do not aim the gun at people. Avoid screwing the can to the gun with valve upside down. Do not screw the gun to the can. Do not bend or turn the can during screwing. Hold the can upside down when extruding the foam. Foam output can be adjusted with gun trigger and adjustment screw. Fill joints up to approx. 70%, as the foam expands. In case of larger joints apply foam in several layers and moisten slightly between each layer to ensure better results. Excess foam can be cut after it has fully cured.

Cleaning:

Use Foam Cleaner to clean tools and surfaces from uncured foam. Hands, clothes and foam gun can also be cleaned from uncured foam with Cleaning Wipes. Remove cured foam mechanically after softening with Foam Remover.

## Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5°C to +30°C. Do not expose to temperature over +50°C, do not keep near heat sources or in direct sunlight. Store and transport in upright position. Secure cans before transport.

## Limitations

- PU foam lacks adhesion to Teflon, polyethylene and silicone 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. Do not cover before foam has fully cured.
- Please observe the expiration date!

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## Safety regulations

Pressurized canister. Use only in well-ventilated areas. When using indoors, ventilate the room after application of foam. 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.

## Technical classification and certificates

M1 - low emission & odour.

EMICODE® EC1 Plus - very low emission

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. May 2024

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