

1. Product Description

Product description	: SOMAFIX B1 FIRE RETARDANT POLYURETHANE GUN FOAM is multi-purpose extra formulated, moisture cured, installation and filling foam which carries DIN 4102-1/B-1 standards. It carries fire retardancy (B1) and self-extinguishing properties.
Use of the substance/mixture	: Polyurethane Foam
Recommended use	: Industrial use Professional uses Consumer use

2. Characteristics

Characteristics	: Resistant against all kinds of weather conditions, seawater, steam and humidity Rated B1 according to DIN 4102
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3. Application

- Wherever needed fire retardant or fire extinguish properties for fixing doors, window cases and similar panels, filling in gaps, electrical installations, insulating hot and cold water pipes, covering gaps, holes and cracks.
- Adhering on all kinds of construction materials excluding silicone, teflon, polyethylene and polypropylene

4. Application Instructions

- Application temperature is between 0 °C to +35 °C
- Shake the can strongly for 30 seconds
- Install the foam gun on the can
- Remove the dirt, dust and grease from the application place
- Turn the can upside down and press the trigger
- Moisturising the ground and released foam is strongly advised
- Moisturising accelerates reaction and ensures a productive result
- For later applications, dried foam residue should be removed from the gun and valve
- Fresh foam residue can be cleaned by using PU FOAM CLEANER
- Cured Foam can be cleaned mechanically
- Since foam tends to expand, proper quantities should be used
- Can be shaved, sandpapered and painted after it get hardens in 1 or 3 hours

5. Technical Specifications (@ 23 °C 50% RH)

Colour	: pink
Odour	: characteristic
Curing System	: Moisture
Skin Forming Time (FEICA TM1014)	: 8 - 10 minutes
Cutting Time (FEICA TM1005)	: 30 - 45 minutes
Ultimate Elongation (DIN 53504)	: 19 %
Tensile Strength (DIN 53504)	: 3 N/cm ²
Density	: 25 - 30 g/cm ³
Flash point	: Not applicable, as aerosol.(≤50°C)
Thermal Resistance	: -40 - 100 °C
Yield (FEICA TM1003)	: 45 - 50 l
Closed Cell Content	: 70 - 80 %
Thermal Conductivity	: 25 - 30 mW/min.K

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SOMAFIX B1
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Fire Class (DIN 4102) : B1
Application Temperature : 0 - 35 °C

Wall Thickness	Joint Dimension	Backing Material	Fire Resistance in Minutes
200 mm	Width: 11 mm Depth: 200 mm	None	235 min. Fire rating EI 180
200 mm	Width: 41 mm Depth: 200 mm	None	114 min. Fire rating EI 90
100 mm	Width: 31 mm Depth: 100 mm	None	52 min. Fire rating EI 45
100 mm	Width: 11 mm Depth: 100 mm	None	106 min. Fire rating EI 90

Soma Kimya uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu

6. Packaging

Packaging : Aerosol.

Canister 750 ml	Package 12 pcs/ctn
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7. Shelf Life and Storage

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Storage temperature : 0 - 30 °C

Canister 750 ml	12 months (after production date if stored at room temperature)
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8. Health and Safety

Adverse physicochemical, human health and environmental effects : Pressurised container: May burst if heated, Extremely flammable aerosol, Suspected of causing cancer, May cause damage to organs through prolonged or repeated exposure, Harmful if inhaled, May cause respiratory irritation, Causes skin irritation, May cause an allergic skin reaction, Causes serious eye irritation, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.


Symptoms/effects after inhalation : May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

Other medical advice or treatment : Treat symptomatically.

Hand protection : Protective gloves

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SOMAFIX B1 FIRE RETARDANT POLYURETHANE GUN FOAM

Technical Data Sheet

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Version: 0.1

TDS No.: TDS.09.08

Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: [In case of inadequate ventilation] wear respiratory protection.

9. Remarks

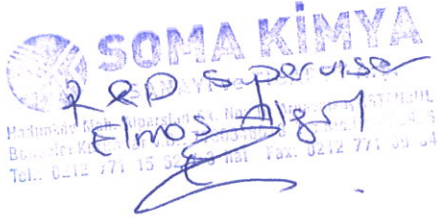
Remarks : For further information, please refer to the Safety Data Sheet

10. Standards and Certificates

Standards and Certificates : B1 (4102-1)

Technical Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



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