

SabreFix™ LF

SabreFix LF is a gun-grade, high quality polyurethane expansion foam, with a unique low post expansion formula, lowering pressure on joint sides. The pressure on joint sides is two times lower than with regular PU-foams. SabreFix LF has a very homogeneous dense structure and minimum post-expansion. It has good resistance to moisture and mould and achieves great results at low temperatures. The foam has very high adhesion properties and adheres well to most construction materials. The cured foam is an excellent temperature and sound insulator.

Field of Application

The Low Expansion foam is especially suitable for the use in fragile and pressure-sensitive structures. Used for installing doors and windows, insulation and fixation of pipes, filling of holes and gaps as well as for sound and thermal insulation.



Application Conditions

Usage temperature between -10°C and +30°C, best results at +20 °C. Can temperature during application +5°C to +25°C, best results at +20°C. The surfaces must be clean from dust, loose particles and oil. Cured foam can be painted with water-based paints.

Application Instructions

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 to 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. After fixing the gun, shake the can well at least 20

times. The foam output can be adjusted by gun trigger. Substrate should be moistened as the foam expands due to the moisture. A moistened surface ensures better results. At low temperatures foam can must be warmed before work in warm room or water. Temperature of room or water must not exceed +30 °C.

Technical Characteristics

PROPERTY	UNIT	VALUE
Tack free time	minute	8–10
Cutting time (30 mm bead)	minute	30–35
Completely cured in joint (at +23 °C)	hour	up to 12
Completely cured in joint (at +5 °C)	hour	up to 18
Density	kg/m ³	20–25
Fire class of cured foam (DIN 4102-1)		B3
Volume decrease	%	non
Post-expansion	%	up to 20
Flash point of cured foam	°C	400
Tensile strength (BS 5241)	N/cm ²	8
Compression strength at 10% deformation (DIN 53421)	N/cm ²	2,5
Thermal conductivity	W/m·K	0,034
Sound reduction index	dB	60
Temperature resistance of cured foam	°C	long term: -50 to +90 short term: -65 to +130

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

Packaging & Colour



Available colours: Light yellow
Packaging size: 1000 ml aerosol can, content 750 ml, 12 pcs in a box

Storage

The cans must be stored and transported in vertical position. Store in a cool and dry place at +5 °C to +30 °C. The foam cans must not be stored above +50 °C, in vicinity of heat sources or in direct sun light. Guaranteed storage time in unopened package 18 months.

Safety

The product is flammable. Protect from overheating and keep away from ignitions sources. Avoid direct sunlight and do not smoke at work. May cause sensitisation by inhalation and skin contact. Ensure sufficient ventilation during application. Wear safety glasses and gloves. Keep out of the reach of children. Cured foam can be handled without any danger to health. Detailed safety information is available on safety data sheet (SDS).

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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