

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).

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IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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