

SabreFix™ FRF

SabreFix FRF is a professional fire protection foam with low post expansion for demanding users. Fire resistance is tested according to European standard EN 1366-4 and reaction to fire according to standard DIN 4102-1. Fire resistance is rated in accordance with EN 13501-2:2007. Good resistance to moisture and mould. It is fast curing and gives great results at low temperatures. Cured foam is a good temperature and sound insulator. The foam has very good adhesion properties. Adheres well to most construction materials, except Teflon, polyethylene and silicone surfaces.

Applications

- Installation of fire-proof doors and windows
- Sealing of joints in fire rated walls
- Sealing works in places which have heightened requirements concerning building materials reaction to fire properties
- Regular sealing works in construction sector



Application Conditions

Usage temperature between +5 °C and +30 °C, best results at +20 °C. Can temperature during application +10 °C to +25 °C, best results at +20 °C. The surfaces must be clean from dust, loose particles and oil. Moisten dry substrate to ensure better results. 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.

Cleaning

Uncured foam can be cleaned from tools and surfaces with Sabre FC Foam Cleaner. Cured foam can be removed mechanically. Hands, clothes and foam gun can be cleaned from uncured foam with moistened Sabre Trade Wipes.

Technical Specification

| Properties | 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) | <3 | kPa |
| Post expansion (TM 1010) | <50 | % |
| Density in joint, 3x10cm (WGM106) | 17-22 | kg/m ³ |
| Dimensional stability (TM 1004) | <1 | % |
| Temperature resistance of cured foam | -50...+90 | °C |
| Fire resistance class (EN 13501-2) | Up to EI 240 | - |
| Fire class of cured foam (DIN 4102-1) | B1 | - |
| Tensile strength (TM 1018, moistened surfaces) | >95 | kPa |
| Compression strength (TM 1011, moistened surfaces) | >40 | kPa |
| Shear strength (TM 1012, moistened surfaces) | >45 | kPa |
| Thermal conductivity (EN 12667, TM 1020) | 0,03 | W/(m·K) |
| Sound reduction index R _{st,w} (EN ISO 10140) | 60 | dB |

Fire resistance is tested in accordance with European standard EN 1366-4 and reaction to fire in accordance with DIN 4102-1. The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

Fire resistance tested according to EN 1366-4 and rated according to EN 13501-2:

| Fire Resistance Classification | Product Code | Joint depth |
|--------------------------------|-------------------------|----------------------------|
| | EI 30-V-X-F-W-00 to 40 | Joint depth 100mm and over |
| | EI 45-V-X-F-W-00 to 20 | Joint depth 100mm and over |
| | EI 60-V-X-F-W-00 to 10 | Joint depth 100mm and over |
| | EI 90-V-X-F-W-00 to 60 | Joint depth 200mm and over |
| | EI 120-V-X-F-W-00 to 30 | Joint depth 200mm and over |
| | EI 180-V-X-F-W-00 to 20 | Joint depth 200mm and over |
| | EI 240-V-X-F-W-00 to 10 | Joint depth 200mm and over |

This classification is valid for the following end use applications:

- 1 The foam shall be used as fire resistant joint seal in joints of concrete, block work and masonry vertical separating elements with density of 650kg/m³ or greater and thickness of 100mm and over.
- 2 Linear joints shall have vertical orientation only and shall be filled throughout. Joint seal shall be fitted flush with the surface of the supporting construction and protected with steel sheet, thickness at least 0,5mm.

Packaging & Colours

| Colour | Size | Code |
|--|---------------|---------|
|  Light Pink | Aerosol 750ml | 1400170 |

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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.

Storage & Shelf Life

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 12 months.

Health & Safety

The product is flammable. Protect from overheating and keep away from ignitions sources. Avoid direct sunlight and do not smoke during 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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