

Hyper Foam Fire M

Self-expanding foam for filling and fastening. Fire-resistant.

Hyper Foam Fire M may be used to seal and fill fire-resistant joints.

Hyper Foam Fire M may be extruded manually using its dispensing tube.



Rating 1

1. B1 classification according to DIN 4102-1 standard
2. Fire resistance: 30 to 240 minutes, according to EN 1366-4 standard, and based on the joint configuration
3. Heat and soundproofing
4. High shape stability
5. Excellent adhesion

- × Regional Mineral $\geq 30\%$
- × VOC Low Emission
- × Solvent ≤ 5 g/kg
- ✓ Low Ecological Impact
- × Health Care

Areas of application

→ Use.

Sealing of joints and gaps, cable passages requiring fire resistance; installation of fire-resistant/fireproof doors and windows and, more generally, for static sealing that requires fire resistance.

Hyper Foam Fire M bonds various materials together and adheres to cement, metal, plastic and masonry in general.

sealing and insulation to prevent heat dispersal.

Hyper Foam Fire M is a high quality semi-rigid foam with closed cells. Once extruded, it expands and hardens adhering perfectly to the walls of the support. Can be painted, covered with grout or gypsum after complete drying.

Hyper Foam Fire M does not adhere to polyethylene, polypropylene, glass, silicone, Teflon.

Instructions for use

→ Preparation of substrates

Cover the floor with paper or plastic to protect the working area from splashes. The substrates must be clean, undamaged, free from oil and dust. Spray with water to damp the substrate. Carefully moisten the substrate to facilitate foam expansion, obtain a homogeneous surface and better adherence. Take all necessary precautions when the structures are not sufficiently resistant to the thrust of the foam.

→ Preparation

The product is ready-to-use.

→ Application

The canister temperature must be between +15 ° C and +25 ° C and the extrusion must take place at a temperature between +5 ° C and +30 ° C. Vigorously shake the canister 20 times for at least 30 seconds. Open the cap and screw on the dispensing tube. Use the canister upside down and shake regularly during use. Fill the cavities only half-way as the foam continues to swell. In case of low humidity, spray a little water on the foam. Joints with a width and/or depth greater than 4 cm must be filled by forming several layers. Spray water and wait from 20 to 30 minutes between one layer and the next. Foam can be cut 90 minutes after application. Complete polymerization takes place 24 hours later.

→ Cleaning

Unhardened foam can be removed with Hyper Foam Clean detergent.

Special notes

→ Hyper Foam Fire M can be painted over. Can be painted, covered with grout or gypsum after complete drying.

→ Hyper Foam Fire M is not intumescent. Do not use to for fireproof sealing of joints containing through services.

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Abstract

Sealing of fire-resistant joints or gaps by manual application of fire-resistant self-expanding polyurethane foam such as Hyper Foam Fire M from Kerakoll SPA, Greenbuilding Rating 1, with fire reaction B1 according to standard DIN 4102-1, and 30 to 240 minutes fire resistance according to standard EN 1366-4 and based on the joint configuration.

Technical Data compliant with Kerakoll Quality Standard

Appearance	Stable foam	
Colour	pink	
Chemical nature	Polyurethane	
Hardening system	Polymerisation on contact with moisture	
BASE	Polyurethane	
Shelf life	≈ 12 months in the original packaging, unopened and protected against damp	
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	760 ml canister	
Post-expansion	< 150%	
Shrinkage	< 1%	
Permeable	< 0,04 mg/mhPa	EN 12086
Temperature range for application	+5 °C / +35 °C	
Skinning time	≈ 14 min.	
Density	23 – 27 kg/m ³	
Hardening time	< 24 hrs for a 3x5 cm seam at +23 °C	
Cutting time	40 min.	
Coverage	one canister = approx. 34 l of foam	

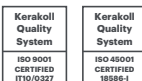
Values taken at +22 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Performance		
HIGH-TECH		
Class reaction to fire	B1	
Fire resistance class:		
- EI 30-V-X-F-W00a40	Joint depth of 100 mm and beyond	EN 13501-4
- EI 45-V-X-F-W000a20	Joint depth of 100 mm and beyond	EN 13501-4
- EI 60-V-X-F-W00a10	Joint depth of 100 mm and beyond	EN 13501-4
- EI 90-V-X-F-W00a40	Joint depth of 100 mm and beyond	EN 13501-4
- EI 90-V-X-F-W00a60	Joint depth of 200 mm and beyond	EN 13501-4
- EI 120-V-X-F-W00a60	Joint depth of 200 mm and beyond	EN 13501-4
- EI 120-V-X-F-W00a30	Joint depth of 200 mm and beyond	EN 13501-4
- EI 180-V-X-F-W00a20	Joint depth of 200 mm and beyond	EN 13501-4
- EI 180-V-X-F-W00a40	Joint depth of 200 mm and beyond	EN 13501-4
- EI 240-V-X-F-W00a10	Joint depth of 200 mm and beyond	EN 13501-4
Thermal insulation	30 mW/m K	EN 12667
Compressive strength	> 5 N/cm ²	
Tensile strength	18.5 N/cm ²	
Acoustic insulation	62 dB	EN ISO 10140
Working temperature	from -40 °C to +90 °C	

Values taken at +22 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Warning

- Product for professional use
- abide by any standards and national regulations
- use protective gloves and goggles
- mechanically remove the hardened foam; do not burn
- do not use in closed or poorly ventilated environments
- store in a well ventilated place with a maximum temperature of +30 °C
- store the canisters in a vertical position
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in May 2023 (ref. GBR Data Report - 05.23); please note that additions and/or amendments to this information may be made over time by KERAKOLL Spa; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.