

Resyfoam® Fire

Fireproof polyurethane expanding foam

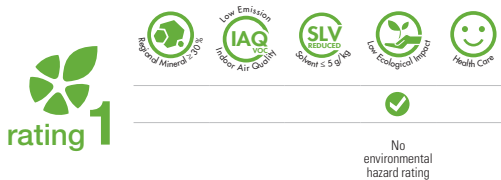
Polyurethane expanding foam designed to seal fire-resistant joints.



GREENBUILDING RATING®

Resyfoam® Fire

- Category: Special products
- Polyurethane foams



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

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

AREAS OF USE

Use

Resyfoam® Fire is an expanding polyurethane foam designed to seal joints and cable passages that need fire resistance, to install fire-resistant/fireproof doors and windows and, more generally, for static sealing that requires fire resistance.

Resyfoam® Fire bonds various materials together and adheres to cement, metal, plastic and masonry in general (except polyethylene, polypropylene, glass, silicone, Teflon). It isolates pipes, blocking heat losses, heat dispersal, humidity and cold.

Resyfoam® Fire is a high quality semi-rigid foam with closed cells that, once extruded, expands and hardens adhering perfectly to the walls of the support.

Can be painted, covered with grout or gypsum after complete drying.

INSTRUCTIONS FOR USE

Substrate preparation

Cover the floor with paper or plastic, in order to protect the surroundings from any splashes. The substrate must be clean and degreased. Carefully moisten the substrate to facilitate foam expansion, obtain a homogeneous surface and better adhesion. Take the necessary precautions when structures are not sufficiently resistant to foam expansion.

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.

Resyfoam® Fire M: Manual canister with dispensing tube

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. After use, clean the valve, the applicator hose and the dirt residues with Fast Clean towels or Resynet cleansing foam.

Resyfoam® Fire P: Canister for use with dispensing gun

Screw the canister onto the gun and shake vigorously for 30 seconds. Use the canister upside down. Use the gun adjustment screw to get the correct amount of foam. Shake regularly during use. Not completely emptied canisters must be kept screwed on the gun. Clean the gun with Resynet cleansing foam.

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. Unhardened foam can be removed with Resynet cleaner or Fast Clean towels.

* 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).

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Colour	pink
Coverage	one aerosol = approx. 30 ℓ of foam
Skimming time	about 14 minutes
Hardening time (30 mm seam) / cutting time	40 minutes
Flammability class	B1
Post-expansion	50-150%
Temperature range for application (substrate)	+5 °C / +35 °C
Application temperature range	-40 °C / +90 °C
Shelf life	≈ 12 months in the original packaging, unopened and protected against damp
Packaging:	
- Resyfoam® Fire M	750 ml manual canister for manual use – 12 pieces/carton
- Resyfoam® Fire P	canister 750 ml for use with dispensing gun – 12 pieces/carton

PERFORMANCE

HIGH-TECH

Thermal conductivity	0.03 W/(m K)	DIN 4102-1
----------------------	--------------	------------

FIRE RESISTANCE CLASS

EI 30-V-X-F-W00a40	Joint depth of 100 mm and beyond
EI 45-V-X-F-W00a20	Joint depth of 100 mm and beyond
EI 60-V-X-F-W00a10	Joint depth of 100 mm and beyond
E 90-V-X-F-W00a40	Joint depth of 100 mm and beyond
EI 90-V-X-F-W00a60	Joint depth of 200 mm and beyond
E 120-V-X-F-W00a60	Joint depth of 200 mm and beyond
EI 120-V-X-F-W00a30	Joint depth of 200 mm and beyond
EI 180-V-X-F-W00a20	Joint depth of 200 mm and beyond
EI 180-V-X-F-W00a40	Joint depth of 200 mm and beyond
E 240-V-X-F-W00a10	Joint depth of 200 mm and beyond

WARNING

- **Product for professional use**
- use protective gloves and goggles
- comply with the usual occupational hygiene measures
- mechanically remove the hardened foam; do not burn
- store in a well-ventilated area at a temperature not exceeding +30 °C, and away from sunlight and any heat source
- store the canisters in a vertical position
- see the product safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +33 (0) 4 72 89 06 80 – globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in July 2019 (ref. GBR Data Report - 07.19); please note that additions and/or amendments 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.