

Parafoam FR

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Fire resistant for up to 120 min, tested to EN 1366-4:2006 & A1:2010 . ISIB n° 2006-G-151

DESCRIPTION

PARAFOAM FR is a one component multi-purpose polyurethane foam based on a moisture curing PU prepolymer. **PARAFOAM FR** is fire-resistant when applied between mineral materials. Cured foam can be cut, sawn and plastered.

APPLICATION

For the filling, sealing and insulating of big irregular gaps and joints, when fire retarding is required.:

- sealing between wall and ceiling
- between prefab elements
- filling of entrance door linings and window settings

Excellent adherence on concrete, brickwork, stone, plastering, metals, hard and soft wood, synthetics such as polystyrene, PU-foam, polyester, PVC. Does not adhere on polyethylene and silicone.

PROPERTIES

- High volume
- Fire resistant for up to 120 min
- Free of CFK and HCFK
- Water and chemical resistant
- Not UV resistant: protect joint from sunlight by painting.
- Good thermal & acoustic insulation
- New safety valve in plastic: no intrusion of air humidity . no curing of foam behind valve
- Vertical and horizontal storage of can
- Special trigger: can can be closed and re-used (up to 3 weeks)
- Colour: pink

PREPARATION

Ensure surfaces to be treated are clean and free from dust and grease. Moisten the surface with water prior to application, for a good foam adhesion.

USE

Shake can vigorously for about 30 seconds. Use protective gloves and avoid contact with skin. Screw applicator on to the valve. Invert the can and tilt valve to extrude foam. Start foaming at the lowest and deepest point. Fill the joints up to 50-60% (foam will expand to fill the gap).

Moistening substrates with a fine water spray helps and accelerates curing. For large gaps and cavities, moistening after each foam layer application is to be recommended. After 12 hours fully cured. After use bend and fix the applicator on the can, in order to avoid intrusion of air humidity.

CLEANING

Fresh foam can be removed with PARAFOAM GUN & SPRAY CLEANER. After curing, **PARAFOAM FR**, can only be removed by cutting or sanding. The remaining foam can be removed by PARAFOAM REMOVER.

CONSUMPTION

Product size 750 ml = max. capacity of 1000 ml. The foam expands up to 40 times its original volume.

PACKING

12 x 750 ml

SHELF-LIFE

15 months

SAFETY

Please consult our safety data sheet, available on request.

TECHNICAL APPROVINGS

Fire resistant for up to 120 min, tested to EN 1366-4:2006 & A1:2010 & ISIB n° 2006-G-151. Parafoam FR has been tested for use in fire resistant linear joint seals to EN 1366-4:2006. Depending on the specific linear joint seal design, a fire resistance of up to 120 min is achievable. See table FIRE RESISTANCE.

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TECHNICAL CHARACTERISTICS

Density	18 kg/m ³ (BS 4370)
Yield 750 ml	40 . 45 litres
Tack free	After 8 min
Can be cut after	After 15 min
Load bearing	± 12 hours
Application temperature	Between +5°C and 30°C (ideal: 20°C)
Tensile strength	7 N/cm ² (DIN 53430)
Shear Strength	4 N/cm ² (DIN 53421)
Temperature resistance	-40°C till +80°C (temp +100°C)
Fire resistant	Up to 120 min tested to EN 1366-4:2006 & A1:2010
Construction material	B1 (DIN 4102) B (EN13823 & EN11925-2)
Elongation at tension	25% (DIN 53430)

TEST RESULT FIRE RESISTANCE

Without mineral wool filling

Fill width	Fill depth	Classification Room Sealing	Classification Isolation
10 mm	100 mm	45 min	45 min
15 mm	100 mm	30 min	-
25 mm	100 mm	15 min	15 min
10 mm	200 mm	120 min	120 min
20 mm	200 mm	60 min	60 min
25 mm	200 mm	30 min	30 min
30 mm	200 mm	20 min	20 min
50 mm	200 mm	15 min	15 min

With mineral wool filling

Mineral wool	Mineral wool density grade	Position of rock wool	Fill width	Fill depth	Classification Room Sealing	Classification isolation
60 mm	Rockwool	front	50 mm	100 mm	180 min.	120 min.
80 mm	Rockwool	middle	30 mm	200 mm	240 min.	240 min.
80 mm	Flumroc	front	50 mm	200 mm	180 min.	180 min.