



CHARACTERISTICS

- One-component polyurethane fire-retardant foam
- Fire-resistant up to 240 minutes
- Low post-expansion
- Good thermal and acoustic insulation
- CFC- and HCFC- free (ozon friendly)
- No hardening behind the safety valve, no intrusion of moisture
- Cured foam can be cut, sawn, plastered and painted and is resistant against water

APPLICATIONS

- For filling, sealing and insulating of big irregular gaps and joints when fire retarding is required:
 - Sealing between walls and ceiling and of joints in fire rated walls,
 - Between prefab elements,
 - Filling of fire-proof entrance door and window frames...
- Excellent adherence on wood, concrete, brickwork, stone, plaster, metals, synthetics such as polystyrene, PU-foam, polyester, hard PVC, etc.

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Pink
System	Moisture
Density in joint 3 x 10 cm	23 - 27 kg/m ³
Foam yield (TM 1003)	35 - 40 l (750 ml can)
Foam yield in joint 3 x 5 cm	9 m (750 ml can)
Dimensional stability (TM 1004)	< 1%
Fire class (DIN 4102-1)	B1
Fire resistance class (EN 13501-2)	Up to 240 min.
Tack free time (TM 1014)	8 - 12 min.
Cutting time (TM 1005)	< 45 min.
Completely cured in joint 3 x 5 cm	< 16 h.
Ambient temperature during use	+5°C to +30°C (Optimal at 20°C)
Can temperature during use	+10°C to +25°C (Optimal at 20°C)
Temperature resistance of cured foam	-50°C to +90°C
Elongation at break (TM1018, moistened surfaces)	18%
Tensile strength (TM1018, moistened surfaces)	> 13 N/cm ²
Shear strength (TM1012, moistened surfaces)	> 4 N/cm ²
Compression strength (TM1011, moistened surfaces)	> 5 N/cm ²
Thermal conductivity (EN12667, TM1020)	0,033 W/mk
Sound reduction index R _w (EN ISO 10140)	60 dB
Water vapour permeability (EN 12086)	μ = 19
Shelf life, unopened in the original packing and vertically stored in a cool and dry area at +5°C to +30°C	12 months

Technical data according to test methods approved by FEICA. These test methods are designed to provide transparent and reproducible test results, giving an accurate representation of product performance. The FEICA OCF test methods are available at <http://www.feica.eu/our-industry/pu-foam-ocf.aspx>. FEICA is the multinational association representing the European adhesive and sealant industry, including the producers of one-component foam manufacturers More information at www.feica.eu.

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

PACKING

12 cans of 750 ml/box - 56 boxes/pallet

FIRE RESISTANCE

Tested according to EN 1366-4 and rated according to EN 13501-2:

Joint width	Joint depth	Classification
10 mm	≥ 100 mm	EI 60 min
10 mm	≥ 200 mm	EI 240 min
20 mm	≥ 100 mm	EI 45 min
20 mm	≥ 200 mm	EI 180 min
30 mm	≥ 200 mm	EI 120 min
40 mm	≥ 100 mm	EI 30 min
40 mm	≥ 200 mm	EI 180 min
60 mm	≥ 200 mm	EI 90 min

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 650 kg/m³ or greater and thickness of 100 mm 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 0,5 mm.

METHOD OF USE

Preparation

- Use only in well-ventilated areas.
- Check whether the substrate has sufficient bearing capacity. Check the adhesion of existing coatings.
- Surfaces should be clean and free of dust and grease.
- Substrates must always be pre-moistened, as foam expands due to humidity.
- Chilled cans must be carefully warmed up in lukewarm water before usage. However the can must not be heated above 50°C, as there is a risk of bursting. Cans which are too hot must be cooled in water. The can should be shaken occasionally during this process to obtain the required temperature faster.

Application

- Shake foam can vigorously at least 20 times before use.
- Keep the can in upright position when screwing the adaptor (straw) to the valve.
- Hold the can upside down when extruding the foam.
- Fill the joints to 50-60%.
- For larger joints, apply in several layers and moisten between the layers.
- Keep the foam can upright after use.

Cleaning

Fresh foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray cleaner**. Cured foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Consult the safety data sheet.

LIMITATIONS

- Does not adhere to PE, PP, PTFE, silicone, oil and grease and similar surfaces.
- Not UV resistant.

TECHNICAL APPROVALS

Parafoam FR has been tested for use in fire resistant linear joint seals according to norm DIN 4102-1 class B1 Depending on the specific linear joint seal design, a fire resistance of up to 240 min. is achievable. TÜV Classification Report TEK 240/18



* 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).



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