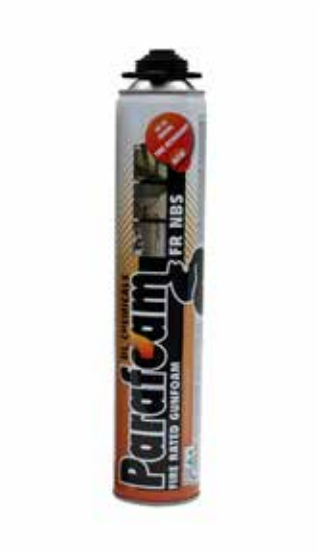
PARAFOAM FR NBS



CHARACTERISTICS

- Fire-retardant one-component PU gunfoam
- Fire-resistant up to 240 minutes
- Good thermal and acoustic insulation
- CFC- and HCFC- free (ozon friendly)
- Accurately controlled application with NBS gun
- High volume - minimal post expansion
- 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, PVC, etc.

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Pink
System	Moisture
Density in joint 3 x 10 cm	17 - 22 kg/m³
Foam yield (TM 1003)	40 - 45 l (750 ml can)
Foam yield in joint 3 x 5 cm	15 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)	6 - 10 min.
Cutting time (TM 1005)	< 30 min.
Completely cured in joint 3 x 5 cm	< 8 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 (TM 1018, moistened surfaces)	14%
Tensile strength (TM 1018, moistened surfaces)	> 9,5 N/cm²
Shear strength (TM 1012, moistened surfaces)	> 4,5 N/cm²
Compression strength (TM 1011, moistened surfaces)	> 4 N/cm²
Thermal conductivity (EN 12667, TM 1020)	0,03 W/mk
Sound reduction index R_W (EN ISO 10140)	60 dB
Water vapour permeability (EN 12086)	μ = 11
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.

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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.
- 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 onto the NBS gun. Move the gun to the can by holding the gun handle with one hand and screwing the can with the other hand. Do not turn the can during screwing. Do not aim the gun at people (Consult the NBS gun manual).
- Hold the can upside down when extruding the foam. The dispensing volume can be controlled by using the gun trigger and the adjustment screw. Fill the joints to 60-70%.
- For larger joints, apply in several layers and moisten between the layers.
- Keep the foam can with gun 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.**

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C

* 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).

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

Tested for use in fire resistant linear joint seals according to norm EN 1366-4:2006 and classified according to EN 13501-2:2007. Depending on the specific linear joint seal design, a fire resistance of up to 240 min. is achievable. TÜV Classification Report TEK 240/18.

FEICA

TÜV NORD

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