

Parafoam FR NBS

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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 NBS is a one component multi-purpose polyurethane foam based on a moisture curing PU prepolymer. To be applied with a gun. PARAFOAM FR NBS offers fire resistance of up to 120 min 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 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

PREPARATION

Ensure surfaces to be treated are clean, free of dust and grease. Moisten dry and porous surfaces for a good foam adhesion.

USE

Use protective gloves and avoid contact with skin. Shake can vigorously 20 to 30 times before use. Screw the can onto the gun according to the instructions.

The dispensing volume can be controlled by using the gun trigger and the adjustment screw. Joints and cavities should only be filled 70%. When filling deep holes and joints the foam should be applied in several layers which should be moistened in between.

Start foaming at the lowest and deepest point. After 12 hours fully cured.

CLEANING

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

PACKING

12 x 750 ml

SHELF-LIFE

21 months

TECHNICAL APPROVINGS

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

SAFETY

Use only in well ventilated area between 5 and 30°C. Do not smoke. Protect from sunlight and do not expose to temperatures exceeding 50°C. Please consult our safety data sheet.

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TECHNICAL CHARACTERISTICS

Base	Polyurethane prepolymer
System	Moisture curing
Density	18 . 22 kg/m ³ (BS 4370)
Yield 750 ml	40 . 45 liters
Tack free	After 7-10 min
Can be cut after	After 10-15 min
Fully cured	± 12 hours
Application temperature	Between +5°C and 30°C (ideal: 20°C)
Ideal temperature can and environment	+20°C
Temperature resistance	Permanent: -40°C to +80°C (temporary: till +100°C)
Foaming capacity	
- non moistened substrate	+130%
- moistened substrate	+200%
Thermal conductivity	0,03 W/m ² K (DIN 52612)
Tensile strength	0,10 N/mm ²
Compression resistance	58kPa (ISO 844)
Elasticity limit	180kPa
Movement capacity	10% max
Fire resistance	Up to 120 min
Construction material	B (EN13501) B1 (DIN 4102)
Water absorption	0,3 vol % (DIN 53428)
Acoustic insulation value EN 12354-3	10mm: RST, W (C; Ctr)= 60 (-2; -5) dB 20mm: RST, W (C; Ctr)= 60 (-2; -5) dB

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	60 min	60 min
20 mm	100 mm	30 min	30 min
30 mm	100 mm	20 min	20 min
10 mm	200 mm	120 min	120 min
15 mm	200 mm	60 min	60 min
20 mm	200 mm	45 min	45 min
25 mm	200 mm	30 min	30 min
30 mm	200 mm	30 min	20 min
50 mm	200 mm	20 min	20 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	middle	20 mm	100 mm	180 min.	180 min.
60 mm	Rockwool	front	50 mm	100 mm	180 min.	120 min.
60 mm	Flumroc	middle	20 mm	200 mm	240 min.	240 min.
60 mm	Flumroc	front	50 mm	200 mm	240 min.	180 min.