

R-RPP-B1 Fire Resistant Foam

B1 - Low-pressure, one-component polyurethane fire-resistant foam with applicator gun.

Product information



Applications

- For all applications with a legal requirement for fire resistance class B-1 according to DIN 4102
- For all applications where the increased fire resistance according to PN EN 1366-4 is required:- Bonding insulation materials- Creation of soundproof screens with increased fire resistance- Insulation around cables and pipes- Sealing joints in roofs construction
- For fireproof assembly of PVC, wood and aluminum frames.
- For fire-resistant sealing of joints in roofing, walls and ceilings.
- For fire-resistant filling of frame structures

Features and benefits

- Fire-resistant - EI 240 fire resistance, providing technical approval criteria are fulfilled
- Insulates against fire, smoke and gas
- Self-extinguishing.
- Ideal for mounting, sealing and soundproofing.
- Cutting time 40 min after application
- Can be painted or plastered when cured
- Excellent adhesion to most materials and substrates used in construction.
- Yield up to 45 l
- Resistant to mould and fungi.

Base materials

Approved for use in:

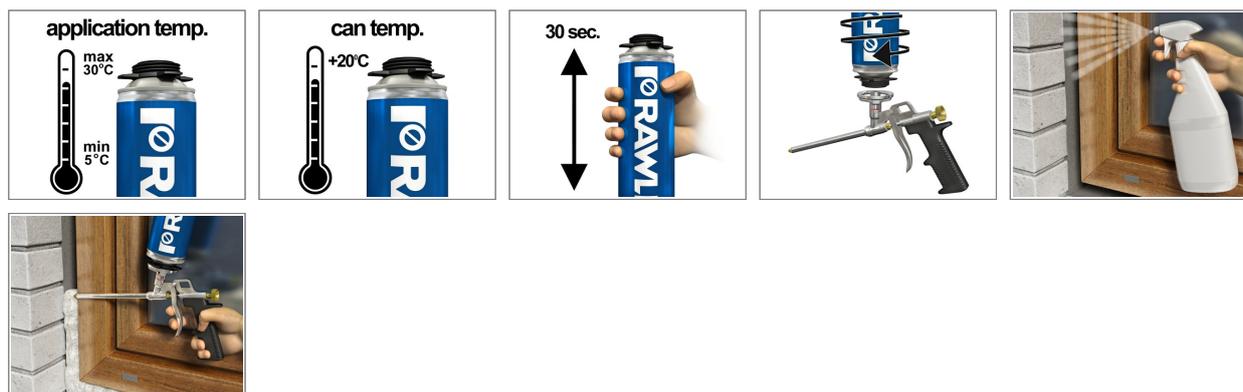
- Concrete
- Solid Concrete Block
- Aerated Concrete Block
- Masonry
- Stainless Steel
- Wood

Approvals and Reports

- ETA-13/1075
- ETA-13/1076



Installation guide



1. Wear protective gloves. Ensure surfaces are free from dust, dirt or debris.
2. Before using, make sure that the can temperature is above zero (optimum +20°C). Application temperature from +5°C up to +30°C.
3. Shake can vigorously for 30 seconds to mix properly components.
4. Screw gun onto the can. Hold can upside-down during application.
5. Moisten surfaces with water prior to application.
6. Fill gaps from down to up, zigzag motion, alternating from one wall to the other. Fill gaps to approximately 60 % volume. Max. wide of the gap 3-4 cm. Wider gaps should be applied after hardening of the previous layer. Each layer should be moistened with water using a spray.
7. After full curing, cut the excess foam with a knife and protect it from UV exposure by coating with plaster, paint, acrylic or silicone.
8. In the event of a stoppage exceeding five minutes duration, wipe the nozzle with cleaner for foam applicator.
9. After removing the applicator gun from the can, wipe down the nozzle and gun (internal and external surfaces) using a cleaner.

Technical Data

Parameter		Value	Methods
Application temperature	[°C]	+5 ÷ +30	
Can temperature	[°C]	+20	
Efficiency	[dm ³]	max. 45	
Colour	-	red	
Skin formation time	[min]	12 - 16	20°C, RH 90%
Pretreatment time	[min]	30 - 40	20°C, RH 90%
Complete hardening time	[h]	24	
Density	[kg/m ³]	12 - 14	PN-EN ISO 845:2000
Dimensional stability	[%]	+/- 2	40°C, RH 95%, 24 hrs
Water absorption after 24h	[kg/m ³]	0,5	PN-EN 1609:1999
Tensile strength	[kPa]	≥ 50	PN-EN 1607:1999
Compressive strength	[kPa]	≥ 100	PN-EN 826:1998
Thermal resistance (upon hardening)	[°C]	-50 ÷ +90	
Thermal conductivity	[W/mK]	0.034	
Preparations solubility	-	Acetone, before hardening	Cleaner RPC-0500
Soundproofing coefficient	[dB]	61	EN 12354-3
Volume	[ml]	750	
VOC Content	[g/l]	169	calculated
Fire resistance classification	-	EI 240	EN 1366-4

Parameter		Value
Shelf life	[month]	15
Storage conditions	-	upright position in an originally closed container
		the storage temperature: from +5°C to +35°C (room temperature is recommended)
		dry, cool and well-ventilated place away from direct sunlight and other sources of heat and ignition
		storing the product in conditions other than recommended may shorten the life time even by 3 months

Product commercial data

Product Code	Colour	Volume [ml]	Quantity [pcs]			Weight [kg]			Bar Codes
			Box	Outer	Pallet	Box	Outer	Pallet	
R-RPP-B1 ¹⁾	red	750	12	12	672	11.3	11.3	660.3	5906675285047

¹⁾ ETA-13/1075

²⁾ ETA-13/1076