

# Parafoam 1K

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## DESCRIPTION

**PARAFOAM 1K** is an one-component polyurethane foam based on a moisture curing polyurethane prepolymer. Free of CFC's. The can has a safety valve in special synthetic material:

- no intrusion of moisture
- horizontal or vertical storage of can is possible
- no vulcanization behind the valve (no reaction of moisture with prepolymer).
- No foam breakout through the valve

The can has a newly designed adaptor, that makes it possible to close the can and use it several times.

## APPLICATION

**Surfaces** : excellent adhesion to concrete, masonry, stone, plasterwork, wood, fibre cement and metals.

Filling, sealing and insulating of joints:

- partition walls with ceilings
- structural space between window- and door frames and walls
- structural- and fitting space between pre-fabricated construction elements
- seams between chimneys, roof protection, roof panels and wall panels
- around cables and pipes, penetrations through walls and ceilings
- glueing panels/insulating sheets (like polyurethane and polystyrene)
- good thermal and acoustic insulation

## PREPARATION

Surfaces should be sound, dry, free of dust and grease. Porous surfaces should be pre-moistened with water.

## APPLICATION

**Application** : shake can 20 to 30 times vigorously before use. Remove the white cap. Screw the adapter tightly into the valve. Invert the canister (the valve is pointing downwards). Joints and cavities should only be filled 50%. When filling deep holes and joints the foam should be applied in beads at short intervals of 1-2 hours

**After use**: push adapter straw tightly unto the sealing ring above the adapter. Assure tight fit. For re-use pull straw from sealing ring.

## CLEANING

Fresh foam: by means of Parafoam Gun & Spray Cleaner.

Cured foam: mechanically or by means of Parafoam Remover.

## SAFETY

Read the danger designation on the label carefully before dispensing the foam. The foam should be used in well-ventilated areas. Do not smoke. Wear suitable protective clothing, gloves and eye protection. Protect adjacent surfaces with paper or plastic sheeting from accidental contamination. Remove spilled foam immediately with **PARAFOAM GUN AND SPRAY CLEANER**. Cured foam can only be removed mechanically.

## PACKING

500 ml and 750 ml tin-plated cans  
12 cans per box.

## SHELF LIFE

15 months when stored in a cool and dry area.

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## PROPERTIES

Base	polyurethane-prepolymer
Colour	yellow
Curing system	moisture
Density	20 kg/m <sup>3</sup>
Yield	35-40 liter (750 ml)
Fire class	B3 (DIN 4102, part 1)
Tack free	after 11-13 min
Can be cut	after approx. 25-30 min
Stability load bearing	after approx. 12 hours
Application temperature	ambient: + 5°C up to + 30°C
Temperature resistance:	- 40°C up to + 80°C long term -40°C up to + 100°C short term
Optimal Can temperature	20°C
Thermal conductivity	0.03 W/m <sup>2</sup> K (DIN 52612)
Tensile strength	0,13 N/mm <sup>2</sup>
Compression resistance	2 N/cm <sup>2</sup> (DIN 53421)
Shear Strength	6 N/cm <sup>2</sup> (DIN 53427)
Elongation at tension	26% (DIN 53430)
Water absorption	0,3 Vol.%
Acoustic insulation	58 dB (DIN 52210-3)

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