

# Parafoam NBS

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## DESCRIPTION

**PARAFOAM NBS** is a one-component polyurethane foam. CFC- and HCFC- free. Cures by absorbing water vapour from the air.

The new safety valve in synthetic material guarantees a longer shelf life; the can can be stored in vertical and in horizontal position.

## APPLICATION

The fresh foam adheres excellent to concrete, masonry, stone, plasterwork, wood, fiber cement, metals and several synthetic materials such as stypropo, PU-foam, polyester and PVC. No adherence on polyethylene, silicone, oil and grease. Ideal for filling, sealing and insulating of joints, for example:

- partition walls with ceilings
- structural space between window- and door frames and walls
- structural- and fitting space between prefabricated 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)

## PROPERTIES

- high volume – low expansion
- accurately controlled application
- excellent adhesion to most surfaces
- temperature-, water- and chemical resistant
- CFC- and HCFC-free
- Can be painted and plastered over
- good thermal and acoustic insulation
- not UV-resistant

## PREPARATION

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

## TEMPERATURE

Application temperature:

- ambient: +5°C up to +30°C
- canister : +5C up to +30C (ideal : 20°C)

## METHOD OF USE

Shake can vigorously before use (20 to 30 times). Screw the can onto the gun according to the instructions. Hold the can upside down when extruding the foam. The dispensing volume can be controlled by using the gun trigger and the adjustment screw. Joint and cavities should only be filled 70%. When filling deep holes and joints the foam should be applied in beads at short intervals of 1 hour.

## 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 PU foam remover.

## PACKING

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

## SHELF LIFE

Max. 21 months when stored in a cool and dry area.

## SAFETY

See safety data sheet and instructions mentioned on the can label. Work in a well ventilated area. Do not smoke. Protect the eyes, wear protection gloves and protective clothes. Cover the area with plastic or paper.

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.

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## PROPERTIES

Base	polyurethane-prepolymer
Colour	Yellow
Curing system	Moisture-curing
Character	flexible
Density	18-22 kg/m <sup>3</sup>
Yield	Ca. 40 to 45 liters (750 ml)
Fire class	B3 (DIN 4102, part 1)
Tack free	after approx. 5-8 min
Can be cut	after approx. 15-20 min
Fully cured	after approx. 12 hours
Application Temperature	Ambient +5 °C up to +30 °C
Optimal Can temperature	+20 °C
Temperature resistance:	- 40 °C up to +80 °C long term -40 °C up to +100 °C short term
Thermal conductivity	0.03 W/m <sup>2</sup> K (DIN 52612)
Shear strength	5 N/cm <sup>2</sup> (DIN 53427)
Compressive strength	3 N/cm <sup>2</sup> (DIN 53421)
Elongation at tension	20% (DIN 53430)
Water absorption	0,3 Vol.% (DIN 53428)
Acoustic insulation value EN 12354-3	10mm: R <sub>ST, w</sub> (C; C <sub>tr</sub> )= 60 (-2; -5) dB 20mm: R <sub>ST, w</sub> (C; C <sub>tr</sub> )= 60 (-2; -5) dB

