

## PUG

### POLYURETHAN-FOAM FOR EFFECTIVE FILLING

- Fire resistance properties - B2 fire class according to DIN 4102-1
- High thermal and noise insulation values
- Low curing pressure and moderate post-expansion avoid deformation of building elements
- Installation of window and door frames
- Sealing of thermal and noise insulation panels
- Insulation of penetrations
- Sealing and joining of joints
- Reduction of the effect of thermal bridges



### Notice

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## PUR GUN FOAM

### General Information

PUR GUN FOAM is a ready-to-use one-component polyurethane gun foam for various construction applications, e.g. sealing of joints and pipes, installation of window and door frames, thermal and noise insulation. PUR GUN FOAM has

a low curing pressure and moderate post-expansion thus avoids deformation of building elements. PUR GUN FOAM adheres well to most materials such as wood, concrete, stone, plaster, metal, PVC and polystyrene.

### Technical Information

Aggregate State: Aerosol  
Colour: light yellow  
Initial boiling point and boiling range: -12 °C  
Vapour pressure: < 300 kPa (50 °C)  
Density: 1005 kg/m<sup>3</sup> (20 °C)  
Tack-free time (TM 1014): 6-10min  
Cutting time (TM 1005): < 30min  
Fully cured in joint, 3x5cm (+23°C): < 8h  
Curing pressure (TM 1009, moistened surfaces): < 2kPa  
Post-expansion (TM 1010): < 80%  
Density in joint, 3x10cm (WGM106): 15 - 19kg/m<sup>3</sup>  
Dimensional stability (TM 1004): < 2%  
Temperature resistance of cured foam: -50°C - +90°C  
Fire class of cured foam (DIN 4102-1): B2  
Tensile strength/elongation (TM 1018, dry surfaces): > 60/14 kPa/%

Tensile strength/elongation (TM 1018, moistened surfaces): > 60/13kPa/%  
Compressive strength (TM 1011, moistened surfaces): > 20kPa  
Shear strength (TM 1012, moistened surfaces): > 35kPa  
Thermal conductivity (EN 12667, TM 1020): 0,033W/(m\*K)  
Sound reduction index R<sub>st,w</sub> (EN ISO 10140): 62dB  
Water vapor permeability (EN 12086): < 0,06mg/(m<sup>2</sup>h\*Pa)  
Foam yield in joint, 3x5 cm (WGM107), per 750 ml filling quantity: 17m  
Foam yield TM 1003), per 750 ml filling quantity: 55l  
Shelf life: 12 months in unopened packaging  
Storage: cool and dry at temperatures between 5°C and 30°C. The foam cans must not be stored at temperatures above +50 °C, near heat sources or in direct sunlight. Store and transport in a vertical position.

### Application and Use

- Application temperature:  
Air temperature during application: +5°C to +30°C, best results at +20°C. Can temperature during application: +5°C to +25°C, best results at +20°C.
- Surface preparation:  
Remove dust, loose particles and grease from surfaces. Moisten dry surfaces to achieve better results. Protect adjacent surfaces with paper, foil or other suitable material.
- Application method:  
Shake the can vigorously at least 20 times. Hold the foam can in a vertical position and screw the gun to the can, holding the gun handle with one hand and rotating the can with the other hand. Ensure that the gun is not pointing in the direction of other persons when turning. When screwing the can onto the gun, do not hold the valve down and do not turn the gun onto the can. Turn the can upside down and begin applying foam. The foam output can be regulated by the trigger of the gun. When applying foam in layers, moisten slightly between coats.
- Cleaning:  
Uncured foam can be removed with PUR FOAM CLEANER, cured foam can be removed mechanically.
- Restrictions:  
The foam will not adhere to teflon, polyethylene and silicone surfaces. Cured foam is sensitive to UV light and direct sunlight and therefore must be covered with opaque sealant, filler, paint or other material. Lighter structural elements must be firmly fixed before applying foam due to the high post-expansion of the formula.

Article nr	Name	Content	Shelf Life	Catalog
T670701	PUR Foam Cleaner	500ml	see imprint + 36 months	ADHESIVES AND SEALANTS
T670801	PUR Gun Foam	750ml	see imprint + 12 months	ADHESIVES AND SEALANTS
Y670901	PUR Adapter	1 pc.	-	TOOLS

