

# PUR

## POLYURETHAN-FOAM FOR EFFECTIVE FILLING

- Fire resistance properties - B2 fire class according to DIN 4102-1
- High thermal and noise insulation values
- Good volume expansion for effective filling
- Very good adhesive properties
- Filling holes
- Insulation of penetrations
- Bonding of window sills and claddings, plasterboard details, etc.
- Sealing of thermal and noise insulation boards
- Sealing and bonding of joints
- Reducing the effect of thermal bridges



### Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

# PUR FOAM

## General Information

PUR FOAM is a ready-to-use one-component polyurethane foam for various construction applications such as filling holes, sealing joints or for thermal and noise insulation. PUR FOAM has a very good volume expansion for effective filling. Due to its good adhesive properties it can be used for bonding window sills and trims, plasterboard details, etc.

PUR FOAM does not shrink after curing thus the risk of deformation of joints and separation from the surface is minimal. PUR 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: 975 kg/m<sup>3</sup> (20 °C)  
 Gluing time (TM 1014): 8-12min  
 Cutting time (TM 1005): < 60min  
 Fully cured in joint, 3x5cm (+23°C): < 16h  
 Curing pressure (TM 1009, moistened surfaces): < 7.5kPa  
 Density in joint, 3x10cm (WGM106): 21-25kg/m<sup>3</sup>  
 Temperature resistance of cured foam: -50°C - +90°C  
 Fire class of cured foam (DIN 4102-1): B2

Compressive strength (TM 1011, moistened surfaces): > 35kPa  
 Shear strength (TM 1012, moistened surfaces): > 45kPa  
 Thermal conductivity (EN 12667, TM 1020): 0.033W/(m\*K)  
 Sound reduction index R<sub>st,w</sub> (EN ISO 10140): 62dB  
 Application temperature: from +5°C up to +30°C  
 Water vapor permeability (EN 12086): < 0.04mg/(m<sup>2</sup>h\*Pa)  
 Shelf life: 12 months in unopened packaging  
 Storage: cool and dry at temperatures between 5°C and 30°C

## 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:  
 Hold the foam can in a vertical position. Screw the adapter tube onto the valve of the foam can. Shake the can vigorously at least 20 times. To use, turn the can upside down and press the trigger of the adapter tube. Use the adapter tube trigger to regulate foam output. When applying foam in layers, moisten slightly between each layer.
- 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
T670501	PUR Foam	750ml	see imprint + 12 months	ADHESIVES AND SEALANTS
T670701	PUR Foam Cleaner	500ml	see imprint + 36 months	ADHESIVES AND SEALANTS

