



# TEKAPUR

## *PU - foam* *Gun grade for bonding*



TEKAPUR PU - foam Gun grade for bonding is a low-expanding one-component polyurethane foam used for fixing, sealing and filling with the help of a gun. Hardens with air humidity.

### PROPERTIES

TEKAPUR PU - foam Gun grade for bonding has an extremely low post-expansion and adheres well to all building materials, such as wood, concrete, aerated concrete, brick, metal, aluminium, but not to polyethylene, silicone and PTFE.

The advantages of using a gun grade PU-foam:

- exact dosage - economical consumption
- easier to handle and work with the PU foam
- no leaking or dripping from the nozzle
- less cleaning
- quick can replacement

### USE

Due to low post-expansion and good adhesion, the foam is used for fixing and sealing various building materials such as wooden stairs and window sills. Precise foam dosage enables a faster completion of final works and economical consumption.

### TECHNICAL DATA

Volume:	40 - 45 l (free foamed) (750 ml)
Specific gravity:	18 - 20 kg/m <sup>3</sup>
Application temperature:	min. +5°C (surface), 20 - 25°C (can)
Tack free time:	5 - 10 min
Cutting time:	20 - 25 min
Hardening time:	1,5 - 5 hours, depending on temperature and humidity
Temperature resistance:	-40°C to +90°C
Dimensional stability:	max. - 1 %
Water absorption:	max. 1 vol. %
Compression strength:	0,04 - 0,05 MPa
Tensile strength:	0,07 - 0,08 MPa
Elongation at break:	20 - 30%
Thermal conductivity:	0,036 W/(m K) at 20°C
Flammability class:	B2

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## APPLICATION

Surfaces should be clean, free of dust, grease and other impurities. Dry and porous surfaces should be moistened with water. The can content should be used at room temperature. In case of lower can temperature, immerse the can in warm water (max. T=40°C) for ca. 20 minutes. Before use shake can thoroughly with the valve upside down and screw it onto the gun. Press the trigger and let the foam flow through (ca. 2 seconds). This fills the foam into the extension tube. The pistol is now ready for use. During foam application hold the pistol with the can in vertical position. The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun. When replacing the can, shake the new can vigorously, unscrew the empty can and immediately replace it with the new one. Can replacement has to be fast to prevent PU-foam from hardening in the adapter. Hardened PU-residues in front of the nozzle can be removed mechanically. At short work interruptions the can can be left screwed onto the gun, but the screw on the back side of the gun must be tightened. The can must be under pressure, otherwise the foam will harden in the gun. At longer work interruptions (less than 48 hours), clean the gun with TEKAPUR cleaner. Foam hardening can be accelerated by spraying the foam with water. If you do not use the entire can, clean the valve with TEKAPUR cleaner or acetone. Hardened foam can be removed with APURSIL cleaner or mechanically. **Cured foam must be protected against UV.**

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## PACKAGING AND STORAGE

- aerosol can of 750 ml

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## STORAGE

12 months (+10°C to +20°C)  
Higher temperatures shorten storage life.  
Can must be in vertical position.

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## SAFETY PRECAUTIONS

Content: diphenylmethane-4,4-diisocyanate

### R phrases:

Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause long-term adverse effects in the aquatic environment. May cause harm to breastfed babies.

### S phrases:

Keep out of the reach of children. Do not breathe spray. After contact with skin, wash immediately with plenty of water and soap. Wear suitable protective clothing and gloves. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas.

### Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

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## ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.