TEKAPUR

PU - foam
Hand held (B3)

TEKAPUR PU - foam Hand held is a one-component polyurethane foam hardening by air humidity.

PROPERTIES

TEKAPUR PU - foam Hand held guarantees good heat and sound insulation. It adheres to most building materials like wood, concrete, brick, metal, aluminium, but not to polyethylene, silicone and PTFE.

USE

It is used in building industry for sealing, filling, insulating, fixing, installing and mounting (windows and door frames).

TECHNICAL DATA

Volume:		40 - 45 l (free foamed) (750 ml) 35 - 38 l (free foamed) (650 ml) 30 - 35 l (free foamed) (600 ml) 25 - 30 l (free foamed) (500 ml) 20 - 25 l (free foamed) (400 ml) 13 - 15 l (free foamed) (250 ml)
Specific gravity:		20 - 25 kg/m^3
Application temperature:		min. +5°C (surface), 20 - 25°C (can)
Tack free time:	18°C/60% RH	5 - 10 min
Cutting time:	Ø=3cm, 18°C/60% RH	25 - 30 min
Hardening time:		1,5 - 5 hours, depending on temp. and humidity
Temperature resistance:		-40°C to +90°C
Dimensional stability:		max. -1%
Water absorption:	DIN 53428	max. 1 vol. %
Compression strength:	DIN 53421	0,04 - 0,05 MPa
Tensile strength:	DIN 53455	0,07 - 0,08 MPa
Elongation at break:	DIN 53455	20 - 25%
Thermal conductivity:	DIN 52612	0,039 W/(m K) at 20°C
Flammability class:	DIN 4102, part 1	B3

APPLICATION

Surfaces should be clean, free of dust, grease and other impurities. Dry and porous surfaces should be moistened with water. The optimal temperature of can at work is 20 - 25°C. At lower temperature put the can into warm water (max. T=40°C) for about 20 minutes. Before use shake can thoroughly (about 20 times) with the valve upside down. Remove the protective cap and screw the adapter. Hold the can upside down and activate the foam by pressing the valve. Gaps should be filled only partially, as the foam expands 2 - 3 times its original volume. If you are filling a gap wider than 5 cm, work in layers. Apply the second layer once the first one has hardened. You can speed up the process of hardening by spraying the foam with water. Once the foam has hardened, cut it with a sharp knife and finish with plastering, covering, painting,... If you do not use the entire can, clean the valve

with the TEKAPUR cleaner or acetone. Hardened foam can be removed with the APURSIL cleaner or mechanically. **Cured foam must be protected against UV.**

PACKAGING

- aerosol can of 750 ml, 650 ml, 600 ml, 500 ml, 400 ml, 250 ml

STORAGE

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

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.

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 constitutes a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.

Technical Data Edition: 08/13