



TEKAPUR

PU - foam ***Hand held for roofing tiles***

PRODUCT DESCRIPTION

TEKAPUR PU-foam Hand held for roofing tiles is a one-component polyurethane foam hardening by air humidity. It is used for fixing roof tiles to the underlying surface on the roof..

PROPERTIES

TEKAPUR PU-foam Hand held for roofing tiles has very small post expansion because of adapter Plus. It also has good adhesion onto any material used in roofing and no adhesion onto polyethylene, silicone and PTFE.

The advantages of using a hand held PU - foam with the adapter Plus are:

- 30% greater output
- faster hardening
- better characteristics
- develops lower pressure

The foam output is much easier to control with the adapter Plus than with the normal adapter.

USE

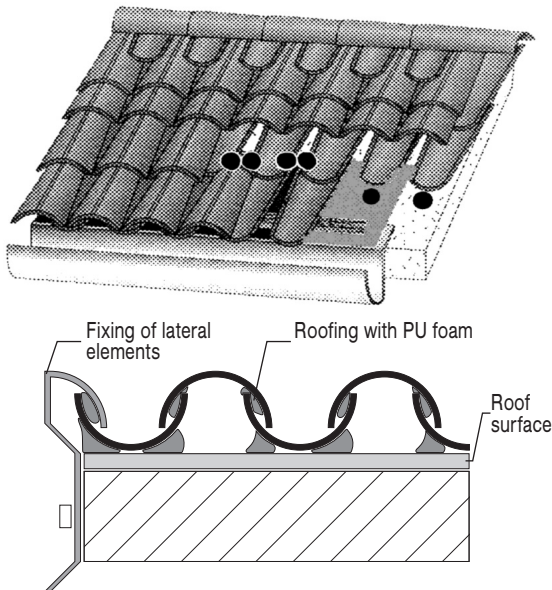
It is used in roofing for fixing roof tiles to the underlying surface on the roof. 7 to 10 m² can be covered with one 750 ml can.

TECHNICAL DATA

Volume:		50 - 55 l (free foamed) (750 ml)
Specific gravity:		16 - 20 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	20 - 25 min
Hardening time:		1,5 - 5 hours, depending on temp. and humidity
Temperature resistance:		-40 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	0,036 W/(m K) at 20°C
Flammability class:	DIN 4102, part 1	B3

APPLICATION

With the classical way of fixing roofing tiles, we use mortar to fasten the tiles to the underlying surface, which can be very troublesome in today's construction requirements. That is why polyurethane foam is more frequently used for this purpose. The use is very practical and simple. On the places, where we have previously applied mortar, the foam which sticks to the tiles and roof is used. **Foam should not be extended to visible parts of roof, because of UV instability of foam.** Surfaces must be clean and moistened. Adhesion of foam is very good on almost all building materials except teflon, silicone and polyethylene.



Using Tekapur PU foam for roofing tiles is easier, more qualitative and cheaper than using mortar.

Surfaces should be clean, free of dust, fat and other impurities. Dry and porous surfaces should be humidified 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. You can speed up the process of hardening by spraying the foam with water. 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.

PACKAGING

- aerosol can of 750 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 constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.