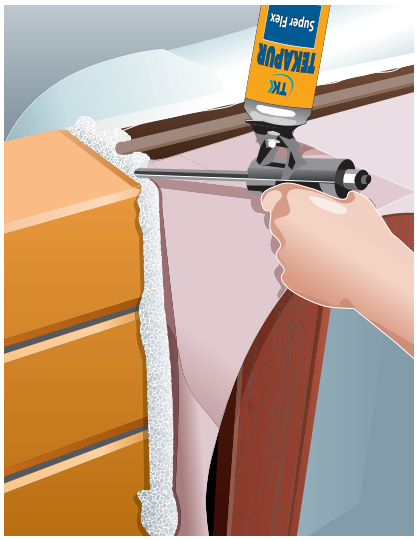
TEKAPUR

PU - foam
Super Flex



TEKAPUR PU - foam Super Flex is gun grade one-component polyurethane foam with very high elasticity used for fixing and mounting. It hardens with air humidity.

PROPERTIES

TEKAPUR PU - foam Super Flex gives excellent sound and thermal isolation. It stays elastic even after curing. Comparing to the other kinds of polyurethane foam, it can hold out higher movement accommodation. It adheres to most building materials like wood, 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

It is used in building industry for installing and mounting windows and door frames in combination with elastic sealing tapes TEKATRAK WINFLEX or sealants.

Sealing technique:

Inner seal	the space between - thermal and sound insulation	Outer seal
TEKATRAK WINFLEX INSIDE TEKAFLEX MS 15 TEKATRAK WINFLEX INSIDE TEKAFLEX MS 15 TEKAFLEX MS 15	TEKAPUR PU - foam **Super Flex**	TEKATRAK WINFLEX OUTSIDE TEKATRAK WINFLEX OUTSIDE TEKAFLEX MS 15 TEKAFLEX MS 15 PRECOMPRESSED JOINTING TAPE

TECHNICAL DATA

Volume:		40 - 45 l (free foamed) (750 ml)
Specific gravity:		15 - 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=3 cm, 18°C/60% RH	20 - 25 min
Hardening time:		1,5 - 5 h, depending on temperature and humidity
Temperature resistance:		-40°C do +90°C
Dimensional stability:		max. -1%
Water absorption:	DIN 53428	max. 1 vol %
Tensile strength:	DIN 53455	0,07 - 0,08 MPa
Elongation at break:	DIN 53455	45 - 50 %
Thermal conductivity:	DIN 52612	0,036 W/(m K) at 20°C
Flammability class:	DIN 4102, part 1	B3

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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 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 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 new foam can. The can replacement has to be fast to prevent that PU-foam can harden in the adapter. Hardened PU-residues in front of the nozzle can be removed only mechanically. At short work interruptions (less than 48 hours) the can can be left screwed onto the gun, but 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, clean the gun with the TEKAPUR cleaner. It should be considered that the foam would expand 30 - 50%. 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

STORAGE

9 months (+10°C do +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.

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