

Torggler

Polyurethane Foams

F 2.0

Elastic one-component polyurethane foam for the assembly of window frames in wood, pvc or aluminium. It guarantees rapidity and cleaning during installation. Adheres to most porous and non-porous supports.



- Ideal for thermal and acoustic insulation
- Excellent alternative to laying multi-purpose self-expanding tapes
- Low post-expansion
- Elongation at break > 40%
- Very low Volatile Organic Compound emissions
- Air tightness up to 1000 P



APPLICATION AREAS

Installing windows and doors, sealing the primary joint (between wall and counterframe) and the secondary joint (between counterframe and window frame) in accordance with UNI 11673-1. Flexible filling of joints of all types and with any orientation, inside and outside, between building elements, in: concrete, masonry, bricks, stone, mortar, plaster, plasterboard, fiber cement, wood, metal, glass, EPS and XPS sheets, plastic materials, etc.. Ceiling cladding in internal partitions and sealing of system crossings in walls or floors, if high flexibility value is required for filling.

FEATURES

The hardening takes place by reaction with the humidity of the atmosphere and the substrates. Once hardened, thanks to its flexibility, it absorbs vibrations and small movements of the structure, compensates the thermal expansion of the supports, avoids heat dispersion, water infiltration and guarantees thermal-acoustic insulation to the laying joints of doors and windows. If protected from UV rays, it maintains the characteristics and performance even at extreme temperatures.

WARNINGS

- Do not apply at temperatures below 0 °C.
- Use Cleaner for Polyurethane Foam for tools and any edges while F 2.0 is still fresh; mechanically after hardening.
- Does not adhere to oily, PTFE, polyethylene, polypropylene and porous materials totally soaked in water.

The F 2.0 can is a pressure vessel. Protect from sunlight and do not expose to temperatures above 50 °C. Do not pierce or burn even after use. Do not vaporize on flames or on an incandescent body. Extremely flammable: keep away from any source of combustion. Do not smoke. Especially if several cylinders are used in the same place, there is a danger of forming explosive air/gas mixtures. Keep out of reach of children. Contains diphenylmethane-4,4' -diisocyanate (EEC No. 615- 005-00-9). Use of this product may cause allergic reactions in persons already sensitized to diisocyanates. Persons with asthma, eczema or skin problems should avoid contact, including dermal contact. Use only in a well-ventilated area. Harmful by inhalation: Do not breathe aerosols. In case of insufficient ventilation, use a protective mask with a suitable gas filter (e.g. type A1 according to EN 14387). Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. In case of contact with eyes, wash immediately with plenty of water and seek medical advice. In case of contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

INSTRUCTIONS FOR USE

The sides of the joint must be solid, clean, degreased and consistent. To improve adhesion and obtain a uniform and homogeneous foam structure, slightly moisten the substrates. Screw the gun to the ring nut and shake vigorously for a long time to obtain a good mixing of the components. For faster extrusion, shake the can even during the laying intervals. Turn the cylinder upside down and fill the cavities by half volume: the post-expansion will fill the remaining vacuum. In case of low ambient humidity, or to increase the curing speed of F 2.0, moisten the foam after extrusion. In case of cavities deeper than 4 cm, fill in layers and wait 15-30 minutes between applications and humidify before continuing. After complete hardening, cut the excess and protect from UV rays: F 2.0 can be sanded, plastered and painted.

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUES
Colour	white
Application temperature	from +5°C o +35°C
Operating temperature	from -40°C to +90°C
Cross-linking (at 23 °C and 50% r.h.) (MIT 101)	6 – 10 minutes
Curing time (Ø of 20 mm at 23 °C and 50% r.h.) (MIT 101)	20 – 40 minutes
Density	20-25 g/l
Loss of volume (FEICA TM1004)	<5%
Yield in litre	35-40 litres
Thermal conductivity λ (FEICA TM 1020/ EN 12667)	0,030-0,035 W/(m*K)
Joint sound insulation (UNI EN ISO 10140-1)	63 dB
Movement capability (UNI EN ISO 1856)	≥45%
Elongation at break (UNI EN ISO 1798)	>40%

Permeability (EN 12114)	a ≤ 0,001 dm ³ /m.s. (1050 Pa)
Water vapour diffusion resistance factor μ (EN 12086)	36
Fire behaviour (DIN 4102)	B3
Closed cells	± 70%
Water resistance	excellent
Resistance to cleaning agents	excellent
Chemical resistance	good
UV resistance	low
Micro-organism resistance	excellent
Application	Gun application
Packaging	can
Packaging size	12x750 ml
Pallet	70 cardboards
Color	White

STORAGE

Store upright, in a dry place, away from low temperatures, heat and direct sunlight. A temperature between +15 and +25 °C is recommended for effective foam extrusion. In the original packaging it is kept for at least 12 months.

CERTIFICATIONS

CERTIFICATIONS VOC EMISSION		
VOC emissions	GEV Emissioncode	EC1 Plus
VOC emissions	French VOC Regulation	A+

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 17.06.2021.