PURPEN MAX 100 (gun grade)

ONE-COMPONENT EXPANDING POLYURETHANE FOAM, CURED BY AIR MOISTURE

APPLICATION AREAS

- Installation of windows and doors.
- Filling of construction gaps, sealing of joints, and insulation.
- Installation of plumbing, heating, ventilation, and electrical systems.

PROPERTIES

- Excellent adhesion to most construction materials such as wood, concrete, brick, metal, aluminum, and plasterboard. No adhesion to polyethylene, silicone, or PTFE.
- Expands in volume by 40–50% after application – fill gaps only partially
- Cures with air moisture.
- Curing time: 1.5 to 5 hours; tack-free after 5–10 minutes.
- Must be protected from UV exposure after application.
- Once cured, the foam ensures a strong bond and excellent insulation properties.
- Applied using a foam applicator gun.

Advantages of gun polyurethane foam over foam with a mounting adapter:

- lower consumption due to more accurate dosing
- easier handling and work
- no leakage or dripping from the gun nozzle
- less cleaning
- quick can replacement
- faster completion of works

INSTRUCTIONS FOR USE

Shake the can vigorously before use with the valve facing down. Attach the can to the gun by screwing it on using the black adapter. Press the trigger to release the foam. Use the adjustment screw on the back of the gun to control the foam flow. For optimal performance, always work with the can in a vertical position with the valve facing downward. When changing cans, shake the new can thoroughly, remove the empty one, and immediately replace it to avoid curing of PU foam inside the adapter. For short breaks, leave the can attached to the gun and close the adjustment screw tightly. For longer

interruptions, clean uncured foam from the gun using PURPEN PU CLEANER. Cured foam on the nozzle or other surfaces can only be removed mechanically. Surfaces must be clean, dry, and free from dust and grease. It is recommended to moisten the surfaces with water before application. The optimal can temperature during use is between 20–25 °C. If the can is colder, warm it in water (max. 40 °C) for about 20 minutes. When filling gaps wider than 5 cm, apply the foam in layers. Apply the second layer only after the first has cured. Curing can be accelerated by spraying the foam with water. Once cured, excess foam can be trimmed with a sharp knife. Final finishing work (plastering, sealing, taping, painting, etc.) can be carried out afterward.

TECHNICAL DATA

Volume:	EN 17333-1	40–45 l (freely foamed) (750 ml)
Foam density:	EN 17333-1	16–18 kg/m^3 (freely foamed)
Application temperature:		min. +5 °C (surface), 20–25 °C (can)
Tack free time:	EN 17333-3	5–10 min.
Cutting time:	EN 17333-3	20–25 min.
Hardening time:		1,5 to 5 hours, depending on temperature and humidity
Temperature resistance:		–40 °C to +90 °C
Dimensional stability:	EN 17333-2	max. ±5%
Water absorption:	DIN 53428	max. 1 vol. %
Compression strength:	EN 17333-4	0.04–0.05 MPa
Elongation at break:	EN 17333-4	20–30%
Tensile strength:	EN 17333-4	0.12–0.14 MPa
Thermal conductivity:	EN 17333-5	0.036W/ (m K) at 20°C
Flammability class:	EN 13501–1	F

TESTS AND CERTIFICATES

GEV-EMICODE	EC-1 PLUS (very low emission)

PACKAGING

750 ml aerosol can
other packing methods are available upon request

STORAGE

18 months (from +5°C to +25°C), even at lower temperatures (e.g., transport) for shorter periods. Higher temperatures shorten storage life. Store cans in an upright position.

HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

Additional safety information, safe handling instructions, information on personal protective equipment, and disposal information can be found in the safety data sheet. Safety data sheet available on request. You can also obtain a copy from your TKK sales representative.

WARNING

The information given is based on our tests and practical experience. However, due to specific conditions and working methods we recommend preliminary tests for each case of use.

TKK d. o. o. · Srpenica 1, 5224 Srpenica, Slovenija
+386 (0) 5 38 41 300 | info@tkk-group.com | www.tkk-group.com