



PURETEK

MONO-COMPONENT CLOSED-CELL POLYURETHANE FOAM

DESCRIPTION

PURETEK is a mono-component polyurethane foam which, once hardened, has a closed cell structure. PURETEK eliminates vibrations and noise transmissions; due to its high adhesive power, it guarantees a resistant gluing for construction elements of different types. Fills, glue, seal, soundproof, fix, insulate and can be painted, glued and plastered. After total hardening, it is resistant to water, gasoline, oil, detergents, acids and solvents, corrosion, mould and microorganisms.

USAGE

TO GLUE - FIX - INSTALL:

- Fix door frames (not recommended for metal frames)
- Fix and install roller shutters
- Fix electrical, hydraulic and sanitary parts

TO ARGINATE AND ISOLATE:

- Insulate door and window frames
- Tubes insulating
- Insulating from noises, heat and cold
- Isolating gutters and roof superstructures
- Insulating connections with the roof.

FOR CLOSING:

- sealing tiles, suspended ceilings, fireplaces and skylights
- sealing covered joints on all types of constructions
- sealing roof windows

PHYSICAL PROPERTY and TECHNICAL DATA

COMPOSITION:	polyurethane foam
COLOUR:	yellow
ODOR AFTER NETWORKING:	none
SPECIFIC WEIGHT (Kg/m ³):	approx. 25
DEVELOPED VOLUME:	approx. 45 lt (freely foamed/Kg)
APPLICATION TEMPERATURE:	from 5°C to +35°C
OUT PRINT TEMP:	15 min (20 mm foam cord at 20°C and 60% relative humidity)
MAY BE CUTTED AFTER:	120 min (20 mm foam cord at 20°C and 60% relative humidity)
RESISTANCE TO ACID:	excellent
RESISTANCE TO BASES:	excellent
WOOD - CEMENT - STONE – METAL ADHESION:	good
SILICONE ADHESION:	low
FLAMMABILITY CLASS:	B3
<u>Excellent acoustic and thermic insulation properties.</u>	



CHARACTERISTICS AFTER HARDENING

CELLULE STRUCTURE:	predominantly closed (aprox. 80%)
THERMIC CONDUCTIVITY:	0.03 W/mk
RESISTANCE TO ATMOSFERIC AGENT:	excellent
PERFORMANCE TEMPERATURE:	-40 °C to + 90 °C
FINAL INDUREMENT:	5-7 hours (depending on layer size and % relative humidity)
APPLICATION TEMPERATURE:	from + 5 °C to + 30 °C
INFIAMMABILITY CLASS:	B3 (according to DIN 4102)
STORAGE STABILITY:	12 months (at temperatures between + 5 °C and + 25 °C)

IMPLEMENTATION

Shake the bottle well before use. The ideal temperature for foaming is +20 °C (±5 °C).

Wet the surfaces of building materials well if dry.

Remove the cap and screw in the hose of the applicator extension tube (for the normal bottle) or screw the bottle into the appropriate gun adapter (for the gun bottle). When the valve is pressed, the foam exits the bottle and within 15-20 minutes it forms a surface film in contact with the external humidity.

Once hardened, PURETEK can be mechanically cut, drilled, varnished. PURETEK does not bond to oily, greasy or dusty surfaces, such as polyethylene, teflon and silicones. The hose applicator or gun must be cleaned with a specific cleaner before the foam hardens.

STORAGE

It last for at least 12 months in original closed packaging stored in a cool and dry place. Always store in a vertical position.



TECHNICAL DATA SHEET

**PACKAGING**

750 ml aerosol bottles equipped with disposable gloves

NOTICES

If you do not use the entire bottle, turn it upwards and press the key. The gas coming out will clean the valve. Leave the gun plugged in and close the dispensing valve (in case of gun).

WARNINGS

Use safety glasses and protective gloves during implementation. Pressure bottle: Do not expose or temperature above 50 °C, do not damage, open forcefully, do not pierce or burn even after use. Store as low if possible at 25 °C. Non-resistant to ultraviolet rays: do not expose to sunlight. In case of contact with skin, wash immediately with plenty of soap and water; if necessary, remove with acetone. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If possible, show them the label. The dry product can only be removed mechanically.

The bottle contains ecological propellant.

**TEKNA CHEM S.p.A.**

Stabilimento: Renate (MB) Via Sirtori snc – z.i. 20838
Tel. +39 (0)362.91.83.11 Fax: +39 (0)362.91.93.96
E-mail: info@teknachem.it Web: www.teknachem.it

The information contained in this data sheet, while representing the current state of knowledge, do not release the user from the accurate preliminary tests in their conditions of employment and exercise. We assume no responsibility for the improper use of the product.