



# PURETEK

One-component closed-cell polyurethane foam



## DESCRIPTION

PURETEK is a one-component polyurethane foam that, when hardened, has a closed-cell structure. PURETEK eliminates vibrations and noise transmissions; due to its high adhesive power it guarantees a resistant gluing for building elements of different types. Fills, glues, seals, soundproofs, fixes, insulates and can be painted, glued and plastered. After total hardening, it is resistant to water, gasoline, oil, detergents, acids and solvents, corrosion, mold and microorganisms.

## USES

To glue - fix - install:

- fixed door frames (not recommended for metal frames) - fix and install roller shutter bins
- fix electrical, hydraulic and sanitary parts

To contain and isolate:

- insulate door and window frames
- pipe island
- isolates from noise, heat and cold
- island gutters and roof superstructures
- insulates connections with the roof, tiles, eternit, etc.

To close:

- seals tiles, false ceilings, fireplaces and skylights
- seals covered joints on pieces of construction of all kinds - seals windows on the roof.

## APPLICATION

Shake the cylinder well before use.

The ideal temperature for foaming is +20 °C ( $\pm 5$  °C).

Moisten the surfaces of building materials well if dry.

Remove the cap and screw the extension applicator tube (for the normal cylinder) or screw the cylinder into the appropriate gun adapter (for the pistol cylinder).

By pressing the valve, the foam comes out of the cylinder and within 15-20 minutes forms, in contact with external moisture, a skin on the surface.

PURETEK, once hardened, can be mechanically cut, drilled, painted.

PURETEK does not adhere to oily, greasy or dusty surfaces, as well as on polyethylene, Teflon and silicone.

The tube applicator or gun must be cleaned with a specific cleaner before the foam hardens.

## PHYSICAL PROPERTIES AND TECHNICAL DATA

Polyurethane composition

Yellow color

Smell after crosslinking no one

Specific gravity (Kg/m<sup>3</sup>) approx. 25

Developed volume. 45 lt (freely foamed/Kg)

Application temperature from 5°C to +35°C

SHEET



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Time out of footprint 15 min

(20 mm foam cord at 20°C and 60% relative humidity)

Can be cut after 120 min

(20 mm foam cord at 20°C and 60% relative humidity)

Acid resistance

Very good base resistance

Adhesion wood - concrete - stone - metallibuona

Silicone low adhesion

Flammability class B3

Soundproofing 47 dB

Excellent insulation properties both acoustic and thermal.

## FEATURES AFTER HARDENING

Structure of prevalently closed cells (about 80%)

Thermal conductivity 0.03 W/mk

Extreme weather resistance

Operating temperature from -40 °C to + 90 °C

Final hardening 5-7 hours

(depending on layer size and % relative humidity)

Application temperature from + 5 °C to + 30 °C

Flammability class B3

(according to DIN 4102)

Storage stability 12 months

(at temperatures between + 5 °C and + 25 °C)

## PACKS

Aerosol cylinders of 750 ml in boxes of 18 pieces, accompanied by disposable gloves.

## VALIDITY

It is kept at least 12 months in the original closed packaging stored in a cool and dry place.

Always store upright.

## WARNINGS

If you do not use the whole cylinder turn it upwards and press the button. The gas that comes out will clean the valve. Leave the gun inserted and close the dispensing valve (in case of a gun).

## ATTENTION

During its application use goggles and protective gloves.

Cylinder under pressure: do not expose or temperatures above 50 °C, do not damage, do not open strongly, do not puncture, nor burn even after use.

Store possibly at temperatures below 25 °C. Cylinder not resistant to ultraviolet rays: do not expose to sunlight.

In case of contact with the skin, wash immediately with plenty of soap and water; possibly remove with acetone.

In case of contact with eyes wash immediately and abundantly with water and consult a doctor. If possible, show him the label. Dry product can only be eliminated mechanically.

The cylinder contains environmentally friendly propellant.

## LEGAL

The information contained in this technical sheet, although representing the most advanced stage of knowledge, does not exempt the user from performing accurate preliminary tests in their conditions of use and operation. We therefore decline any responsibility for the improper use of the product.