

TECHNICAL DATA SHEET

0892 142; 0892 142 1;

PURlogic® Top

Fields of application:

The PURlogic® Top is suitable for the safe and lasting insulation and filling of window connections, windowsill attachments, wall connections and hollow spaces such as wall openings, roof finishings, pipe ducts, shutter boxes, etc.

Properties:

PURlogic® Top is a ready-to-use, 1-component, self-expanding rigid polyurethane foam to be processed with an appropriate foam gun. The foam has excellent assembly properties as it can be applied exactly and economically thanks to the foam gun.

Adheres excellently to almost all building surfaces such as concrete, stone, hard PVC, metal and wood. Does not adhere to polyethylene, PTFE, grease and silicone.

PURlogic® TOP is dimensionally stable, there is no volume shrinkage and post-expansion is low as soon as the product has fully hardened. In addition, PURlogic® TOP also has better sound and heat insulating characteristics than mineral wool, cork and fiberglass.

The product hardens quickly, is resistant to aging, does not rot and is not UV-resistant, but free of HCFC, CFC. The propellant does not cause any harm to the ozone layer.

Properties examined in independent test institutes:

- EMICODE: Very low emission
- Component testing: Fulfills all structural-physical requirements in old and new buildings, inspected by Gewerbliche Akademie für Glas-, Fenster- und Fassadentechnik in Karlsruhe.
- Joint sound insulation: $R(ST,w) = 60$ dB according to EN ISO 717-1, tested by ift in Rosenheim, Germany.
- Thermal conductivity: Reduces thermal loss at $0.0362/(mK)$ according to DIN 52612 tested by MPA- Hanover
- Air-permeability: Prevents drafts, tested according to DIN 18542 by ift Rosenheim.



TECHNICAL DATA SHEET

- Water vapor permeability: Tested water vapor diffusion resistance of 20 μ according to DIN EN ISO 12572 by ift Rosenheim
- General test certificate issued by construction authorities: Corresponds to material class B2 according to DIN 4102, Part 1, tested by Material Testing Institute in Leipzig.

Application:

Shake can vigorously 20 times before use. Surfaces must be clean, solid and free of dust and grease. Pre-treat highly absorbent surfaces. Adhesion surfaces have to be moistened before foam is applied. Moisten again if several foam beads are applied. Screw can all the way into the foam gun – do not overwind or tilt. Foam expands after application. Immediately remove splashes of foam with PURlogic® Clean, art. no. 0892160. Thoroughly clean gun and valve after use. Always leave opened can screwed on gun. The can has to be emptied within 4 weeks.

Technical data:

Basis	Polyurethane
Bulk density (DIN EN ISO 845)	12 kg/m ³
Hardening speed	Approx. 30 minutes - 30 mm foam line *)
Tack-free time	Approx. 7 minutes - 30 mm foam line *)
Processing temperature of can	> +5 °C
Substrate/environment temperature	> -5 °C
Temperature resistance of foam	Permanently: -40 °C to + 90 °C +120 °C (for a maximum of one hour)
Cutable	Approx. 40 minutes - 30 mm foam line *)
Spreadable	Approx. 2 hours - 30 mm foam bead *)
Fully loadable	Approx. 12 hours - 30 mm foam bead *)
Foam yield	Approx. 40 liters *)
Post-expansion	minimal
Shear strength (DIN 53427)	0.12 N/mm ²
Bending strength (DIN 53423)	0.6 N/mm ²
Compressive strength (DIN 53421)	0.3 N/mm ²

TECHNICAL DATA SHEET

Elongation at rupture (DIN53571)	Approx. 20%
Thermal conductivity (DIN 52612)	0.0362 W/mK
Joint sound insulation (DIN 52210)	RST,w (C;Ctr) = 59 (-1;-6) dB (10 and 20 mm joint width)
Building material class (DIN 4102 Part 1)	B2
Storage properties at 20 °C	At least 12 months when stored upright in dry conditions

*) Measured at 20 °C / 65% humidity and a foam line of 30 mm. These values may vary depending on environmental factors such as temperature, humidity and type of substrate.

Remarks:

Porous and absorbent surfaces should be prime-coated. PURlogic® TOP can be processed with PURlogic® Xpress foam gun, art. no. 0891 152 4 and PURlogic® COMBpress, art. no 0891 152 6. Other guns are not compatible!

This advice is based on our own research and experience. It is presented in good faith and may be considered reliable. However, due to the diverse processing, application and handling possibilities the information provided may not be considered legally binding. The same applies to the information provided by our technical and commercial customer service.

We recommend the users of our products to perform their own tests in order to determine whether our products are appropriate for the respective use and environment. We guarantee the consistent quality of our products. We reserve the right to implement technical changes and improvements.