

## FOAM 2 SEAL

### POLYURETHANE FOAM

*It "seals" every insulation need*

**Description :** One component polyurethane foam, polymerized with the humidity of the atmosphere. The foam is self-expanding. The final volume is 2 – 2,5 times the initial volume, so it is suggested to leave some free space in the cavity. It has a great adhesiveness to wood, cement, rocks, metals etc. One can, can yield up to 45 liters of polymerized foam (depending on the temperature, the humidity of the atmosphere, the available space, etc.). The polymerized foam is fire-resistant and non-toxic. It is sensitive to UV radiation.

**Uses:** Placement of windows and doors - Placement of wooden stairs and sills - Filling of holes, cracks, joints and openings - Sealing of openings on roofs and insulating materials - Creation of soundproofing curtains - Jointing and insulation of roof tiles, dividers etc. - Filling of holes around pipes.

**Advantages:**

- Great adhesiveness to most ingredients (apart from polyethylene, silicon and teflon surfaces)
- High thermal and acoustic insulation
- Humidity resistant
- Aging resistant

**Packaging /distribution :** cans of 750 ml.

**Storage:** It can be preserved for 12 months after the production date. Do not store in temperature above 50°C. For longer shelf life, do not store the cans at temperatures above 25°C and below -5°C.

The cans should always be stored vertically



- Specifications - Technical characteristics:**
- Description: Viscose mixture, which is transformed into a foam upon release from the can and is polymerized by absorbing the humidity of the atmosphere.
- Base: Polyurethane
  - Odor: Slight, typical odor during polymerization. Once polymerization is over, it becomes odorless.
  - Density: 23-35 kg/m<sup>3</sup>
  - Film formation time: 7-8 min (20°C, RH> 30%)
  - Hardening time: 1 h / RH 93%, 18 h / RH 15% max 24h
  - Fire class: B3 (DIN 4102)
  - Thermal stability of the polymerized foam: -55 °C up to +100 °C
  - Water absorption of the polymerized foam: max 2%
  - Tensile strength: minimum 3 N/cm<sup>2</sup>
- Application method:**
- Prior to use, cans should be kept at room temperature for at least 12 hours
  - Shake the can for 15 seconds before use
  - Before application, clean the surfaces from dirt, rickety materials, impurities, oils and solvents.
  - To improve adhesion, the substrate can be wetted with water
  - The application temperature should range between +5°C and + 25°C
  - Remove the lid and screw the plastic hose tightly. Squeeze to produce foam.
  - During use, keep the can upside down, with the valve pointing down.
  - Fill the gaps up to the middle (the foam doubles in volume)
  - For stop intervals greater than 30 min, the adapter and the valve should be cleaned.
  - When the foam hardens, cut the exceeding parts
  - The fresh foam can be cleaned with a special polyurethane solvent. The cured foam can only be removed mechanically.

*We guarantee the quality of all our products, on the basis of their technical specifications and this technical data sheet. Such guarantee refers only to the products that we deliver for use and not to its application or final result, which largely depend on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. This edition of technical data sheet automatically cancels any previous version*