

# FOAM 2 SEAL

## Polyurethane foam

### 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.

### FIELDS OF APPLICATION

- 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.

### CHARACTERISTICS/ADVANTAGES

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

## PRODUCT INFORMATION

<b>Packaging</b>	Cans of 750 ml.
<b>Storage conditions</b>	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. <u>The cans should always be stored vertically</u>

## TECHNICAL CHARACTERISTICS

<b>Description:</b>	Viscose mixture, which is transformed into a foam upon release from the can and is polymerized by absorbing the humidity of the atmosphere
<b>Base:</b>	Polyurethane
<b>Odor:</b>	Slight, typical odor during polymerization. Once polymerization is over, it becomes odorless
<b>Density:</b>	23-35 kg/m <sup>3</sup>
<b>Film formation time:</b>	7-8 min (20°C, RH> 30%)
<b>Hardening time:</b>	1 h / RH 93%, 18 h / RH 15% max 24h
<b>Fire class:</b>	B3 (DIN 4102)
<b>Thermal stability of the polymerized foam:</b>	-55 °C έως +100 °C
<b>Water absorption of the polymerized foam:</b>	max 2%
<b>Tensile strength:</b>	min 3 N/cm <sup>2</sup>

## DIRECTIONS OF USE

- 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.

## HEALTH, SAFETY & ENVIRONMENTAL PROTECTION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website <https://marmoline.gr/> or upon request.

## LEGAL NOTICE

We guarantee the quality of all our products, based on their technical specifications, as described in the Declaration of Performance (CE) and this Technical Data Sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depends 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.

All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to conditions that are not subject to our control. The recommendations and implementation instructions must be considered by the user as indicative, and always with given that the product has been traded and traded and stored according to its instructions.

As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet.

The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet .