

## TECHNICAL DATASHEET

# PENOSIL Standard Foam Winter

Construction foam with a good price and quality ratio and with a convenient straw applicator. For use at low temperatures. The new and narrower straw applicator ensures good foam structure and high output. The new trigger is suitable for temporary airtight sealing of the straw during work pauses.

Packed in an aerosol can, moisture curing. Cured foam is a good temperature and sound insulator. The foam has very good adhesion properties. Adheres well to most construction materials, except Teflon, polyethylene and silicone surfaces. After curing does not resist UV-radiation and needs to be covered.

### Field of applications

Used for insulation and fixation of pipe penetrations, filling of holes and gaps, for thermal insulation.

### Application conditions

Usage temperature between -5 °C and +30 °C, best results at +20 °C. Can temperature during application +10 °C to +25 °C, best results at +20 °C. The surfaces must be clean from dust, loose particles and oil. Cured foam can be painted with water-based paints.

### Application instruction

Hold the foam can in upright position. Screw the applicator (straw) to the foam can valve. Shake the can at least 20 times before use. For application, turn the applicator upside down and press the applicator trigger. The foam output can be adjusted by applicator trigger.

Substrate should be moistened as the foam expands due to the moisture. A moistened surface ensures better results.

At low temperatures foam can must be warmed before work in warm room or water. Temperature of room or water must not exceed +30 °C.

### Cleaning

Uncured foam can be cleaned from tools and surfaces with PENOSIL Premium Foam Cleaner. Cured foam can be removed mechanically after softening with PENOSIL Premium Foam Remover. Hands, clothes and surfaces can be cleaned from uncured foam with moistened PENOSIL Premium Cleaning Wipes.

### Technical specification

| Property  | Unit              | Value    |
|---|-------------------|----------|
| Tack free time                                      | minute            | 12–16    |
| Cutting time (30 mm bead)                           | minute            | 30–40    |
| Completely cured in joint (at +23 °C)               | hour              | up to 18 |
| Completely cured in joint (at +5 °C)                | hour              | up to 24 |
| Density   | kg/m <sup>3</sup> | 25–30    |
| Fire class of cured foam (DIN 4102-1)               |                   | B3       |
| Volume decrease                                     | %                 | up to 2  |
| Post-expansion                                      | times             | 2-2,5    |
| Flash point of cured foam                           | °C                | 400      |
| Tensile strength (BS 5241)                          | N/cm <sup>2</sup> | 12       |
| Compression strength at 10% deformation (DIN 53421) | N/cm <sup>2</sup> | 3        |
| Thermal conductivity                                | W/(m·K)           | 0,036    |

|                                      |    |  |
|--------------------------------------|----|--|
| Temperature resistance of cured foam | °C | long term: -50 to +90<br>short term: -65 to +110 |
|--------------------------------------|----|--|

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

## Colour

Light yellow.

## Package

1000 ml aerosol can, content 640 ml, 12 pcs in a box.

## Storage

The cans must be stored and transported in vertical position. Store in a cool and dry place at +5 °C to +30 °C. The foam cans must not be stored above +50 °C, in vicinity of heat sources or in direct sun light. Guaranteed storage time in unopened package 12 months.

## Safety requirements

The product is flammable. Protect from overheating and keep away from ignitions sources. Avoid direct sunlight and do not smoke during work. May cause sensitisation by inhalation and skin contact. Ensure sufficient ventilation during application. Wear safety glasses and gloves. Keep out of the reach of children.

Cured foam can be handled without any danger to health.

Detailed safety information is available on safety data sheet (SDS).