



1. PRODUCT DESCRIPTION:

One-component B1 rated polyurethane foam is designed for mounting and sealing applications. Cures reacting with air moisture. Good adhesion into typical construction materials like: brick, concrete, plaster, wood, glass, metals, foamed polystyrene, hard PVC, and rigid PUR foams. Product has no adhesion on polyethylene, silicone and Teflon. Polyurethane foam premium B1 has excellent heat-insulation, sound absorbance and high ageing resistance. Foam is additionally mould growth and fungal attack resistant.

2. PROPERTIES

- Composition: 4.4'-diisocyanate of diphenylomethane, propellants
- Colour: Pink
- Working temperature (of base) +10 C ~+30 C (optimum +20 C) Container temperature +10~+30 C
- Thermal stability of cured foam -50 C up to +100 C
- Density: 0.019 – 0.024 g/cm³ (19 – 24 kg/m³)
- Dimensional stability: 3 –5% (at 23 C, 50% RH, 24 hours) Water absorption 2.5% (after 24 hours)
- Strength: 0.03 MPa (compressive strength)
- 0.14 MPa (tensile strength) Thermal conductivity factor 0.036 W/mK
- Flammability B1 (DIN 4102), EI 240 (PN - EN 13501-2:2008) Product meets B1 standards according to DIN 4102 by 30mm width and 100mm depth of crack. Solvent (before hardening) acetone
- Tack free time 40 min (23 C/RH 50%) . Fully hardening 24h. Time may vary depending on foam thickness and humidity.
- Yield: 35-42 dm³(23oC/RH50%)

3. APPLICATION

Fire-retardant / insulation application examples.

- Doorframes and windows mounting
- Heat insulation of water systems, sewage systems and central heating systems
- Fixing and insulating of wall panels, division walls, driver's cabs and boats.
- Connecting of wooden prefabricated elements in frame constructions.
- Heat insulation of roofs and floors.
- Filling of gaps in the building heat insulation.

4. DIRECTIONS FOR USE

- The base should be cleaned and degreased
- Mounting of doors or windows cannot be performed without mechanical connection application
- It is recommended to warm the container to room temperature (e.g. by using warm water) Caution!: Do not use boiling water
- Shake the container (for approx. 30 sec). Screw down the gun to the container.
- Moisten surface area before application to improve adhesion. Commence application at the lowest or deepest point to be filled.



- Fills gaps / voids up to depths of 30 – 70% depending on the temperature.
- Control the spray volume adjusting the trigger force applied on the gun.
- If you interrupt your work for the time longer then 15 minutes, the gun nozzle should be cleaned out with the use of IFI polyurethane foam cleaner.
- If applied under lower temperatures, it is recommended to leave applied foam until the fully has fully hardened. (Applying the foam in layer before curing may cause irreparable changes in the foam structure, worsening its functional parameters).
Excess foam after hardening may be removed using mechanical methods (e.g. with a knife). Fully hardened foam should be protected against UV radiation, by using plaster, paints, or sealed using suitable silicone sealant.

5. HEALTH AND SAFETY PRECAUTIONS

Product is packed into aerosol containers of 750ml capacity.

Transport:

Temperature during the transport	Duration of transport (days)
< 200°C	4
-19°C to -10°C	7
-9°C to 0°C	10

Storage time is up to 12 months (from date of production). Store containers in dry conditions. Storage temperature: +5 C to +30 C. Storing in temperature higher than +30 C curtail the shelf life to 9 months. Do not store containers in temperatures higher than +50 C and near to the naked fire. To avoid the valve choking with hardened foam, store containers in the vertical position (valve up). Do not compressed nor pierce container, even after emptying.



Safety:

- Foam is harmful when inhalation,
- It is recommended to wear protective clothes, mask, glasses, and gloves,
- During the foam application process, the room should be properly ventilated. Breathing apparatus is recommended.
- Avoid direct skin contact. In case of contact with eyes – wash them immediately with water and consult doctor;
- Do not apply the foam near the naked fire and don't smoke during operation;
Pressurized container;
- Container can not be neither squeezed nor pierced, even after container is empty.
Don't expose to the temperature exceeding +50 C
- Do not expose to sunlight, naked fire, heaters, burners, and other artificial heating sources;
- Keep out of the reach of children;
- Transport containers safely.

The information provided in this Technical Data Sheet is correct to the best of our knowledge, information and belief at the date of it's publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the content of the Technical Data Sheet.



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