

B3 Hand held grade WINTERFOAM (All-seasons foam)

B3 Hand held grade **WINTERFOAM** is a one-component isolation and construction foam, specially developed for use at very low ambient temperatures (down to -15°C). Nevertheless, this foam can also be used at standard conditions up to +35°C. The foam seals and fills joints, holes and gaps and cures in response to humidity.

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General properties

Autra PU-foams are of professional quality and are 100% (H)CFC-, PCB- and formaldehyde-free. The foams have high thermal and acoustical isolation properties and can be used in many applications, such as installing window- and door frames, filling cavities and sealing joints.

Totally cured, PU-foam is chemically inert, resists temperatures from -40°C to +90°C (for short periods up to +140°C), is not UV-resistant (unless painted, covered or coated), has no nutritional value for insects or rodents and does not support growth of mold or fungus.

Furthermore, the foam has an excellent adhesion on most building materials like brick, concrete, wood, metal and several plastics like Styropor, PU rigid foam, polyester and hard PVC. It does not bond to Silicon, Teflon, Polyethylene and greasy or oily surfaces. The foam does provide a barrier to moisture, but in time small amounts of water will migrate through the foam.

Characteristic properties

- Does not suffer from brittleness at very low temperatures.
- Can also be used at standard conditions.
- Meets fire class B3 according to DIN 4102-part 1.
- Has a very good dimensional stability.

Technical data

- Density after curing [kg/m³]¹⁾ : 20 – 30
- Tack-free-time [min]¹⁾ : 8 – 12
- Cutting time [min]¹⁾ : 50 – 100
- Dimensional stability¹⁾²⁾ : -8%<DS<0%
- Application temperature : -15°C to +35°C
- Canister temperatur : above 0°C (ideal +5°C for temperatures below zero, otherwise +10°C to +20°C)
- Isolation value : 30 – 35 mW/(m.K)
- Fire classification : B3 according to DIN4102-1
- Shelf life [months]³⁾ : 12, when stored in upright position in a dry and cool place.

Application tips

- Surfaces must be clean and free from dust, oil, grease and loose parts. Moisten the surfaces using a household plant sprayer (or similar) as it improves both adhesion and curing time. Insufficient air or substrate moisture during cure may cause delayed expansion and curing.
- Always shake the can thoroughly before use, at least 20 times.
- Screw the adaptor firmly on the valve, hold the can upside down and tilt or press the adaptor (do not overtilt the activator).
- By activating the adapter lever carefully, the extrusion rate can be regulated. Fill joints 50% to 60% (foam will expand).
- Joints larger than 40 mm (width and/or depth) should be filled layer after layer. Giver each layer of foam time to cure.
- Let the foam cure for at least 24 hours before further plastering or painting.

Notes:
 1) The physical properties mentioned are obtained from laboratory measurements under ideal conditions and may vary upon use, temperature and ambient conditions.
 2) Foamed in a pre-moistened joint
 3) Excessive heat can cause premature ageing of components resulting in a shorter shelf life.

Safety
Do read the notes on label and Material Safety Data Sheet completely, before use. Do not spray in the vicinity of open flames (including lit-up flames).
 Protect eyes and wear gloves and overalls. Cover carpets, curtains and furniture etc. in the application area, with paper or plastic foil.
 Uncured foam can be removed using PU-cleaner or acetone, cured foam can only be removed mechanically.