

1K-MONTAGE-SCHAUM



Universal PU foam for installing and heat and sound insulation.

Product performance

- | White expanding, insulating and filling foam of highest quality.
- | 22 l Foam yield.
- | Fine-celled, high thermal insulation, moisture-proof, rot-proof and heat-resistant from -40 to +80 °C.
- | No pressing and shrinking after curing.
- | Tack-free after about 15 minutes, can be cut after 35 minutes, fully loadable after 20 hours.
- | Can be painted and pasted over.
- | With strongly reduced residual monomer content (< 0.1%).
- | Meets the requirements for EMICODE EC 1^{PLUS} R (very low emissions).
- | With controlled foam discharge for exact dosing and achieving high foam yield.
- | With safety valve: Non-sticking guaranteed. No uncontrolled foam discharge. Resealable adapter - prevents dripping.

Application

1. For installing window sills, interior door frames (no additional fixing with doors weighing up to 40 kg and door frame depths as of 15 cm).
2. For noise and thermal insulation of heating pipes.
3. For filling hollow cavities e.g. between masonry and window frames/door frames/roller shutter housings, wall breakthroughs.
4. For installing concrete rings in pit and well construction (not in drinking water environments).
5. For gluing building materials.
6. For sealing in the roof area, e.g. between roof (bent) tiles.



Thermal insulation of heating pipes.

Substrates and preparation

Suitable	All construction materials including metals and polystyrene.
Unsuitable	Polyethylene, silicon, wet surfaces.
Consistency	Clean, able to support a load, free of dust and grease.
Preparation	Slightly moisten absorptive, dry substrates. Do not moisten non-absorbent substrates such as PVC. Caution: Less water than with normal PU foams is required. Cover adjacent areas with adhesive tape or foil. Fasten components as specified by the producer, e.g. window frames with masonry anchors. Secure window sills and door frames at the height of the hinges and door lock against deformation by spreading. Widen cracks and joints to at least 15 mm.

Processing



Installation of an interior door frame: Foam the door frames at 50 % all around (max. gap width is 20 mm). Dose sparingly. Foam expands approx. 200 %. Spraying with water accelerates the curing and increases the foam yield.



Remove spreaders about 20 hours later.



Insulate hollow cavity between masonry and window frame: point the valve downwards and foam the window frame all around.



Cut off excessive foam with a knife after curing.

Further processing tips:

- | Ideal processing temperature at 20 °C. Shake the can well about 20 times. Unscrew the valve lever to the limit. Pre-fold the small overflow tube for later resealing prior to working. Wear suitable protective gloves/goggles. Foam with the valve pointing down.
- | When foaming is interrupted for more than 5 minutes, shake the can again well about 20 times.
- | Push the small overflow tube to the limit stop on the upper plug-type neck after processing. The opened can should be used up within 2 weeks.
- | Foam large volumes in layers and occasionally moisten with water mist spray.
- | Please observe the specifications in the Occupational health and safety section.

Product data

Processing temperature (can, substrate and environment)	5–25 °C (41–86 °F); ideal: 20 °C. If applicable, pre-heat the can in tepid water or cool down in cold water.
Colour hue	White.
Curing speed	Tack-free after 15 minutes; can be cut after 35 minutes; can be walked on (2 cm line) after 20 hours.

Product data (continuation)

Gross density	Free foamed approx. 20 kg/m ³ .
Temperature resistance (cured):	-40 to +80 °C.
Building material class	E – normally flammable as per EN 13501.
Ingredients	Polyurethane pre-polymer.
Ecology	With strongly reduced residual monomer content (<0.1 %), very low emissions (EMICODE EC 1 ^{PLUS} R).
Pack size	400 ml.
Shelf life	Original packing can be used at least until: see imprint on the can bottom. Store in a dry, cool and frost-protected place.

All times based on 23 °C normal climate and rel. humidity 50 % as per DIN EN ISO 291.

Please note

- | Comply with installation instructions from the window and door manufacturer.
- | Not UV-resistant. Protect cured foam against sunlight by masking, painting and plastering.
- | For quick installation of windows/door frames, foaming isolated hollow cavities e.g. under troughs, use 2K-MONTAGE-SCHAUM.
- | Remove fresh foam remnants with BAUSCHAUM-REINIGER; after curing mechanically, e.g. with SAUBERMANN.

Health & safety:



Danger

Extremely flammable aerosol. Pressurised container: May burst if heated. Contains isocyanates. May produce an allergic reaction. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Request safety data sheet if needed or download from the Internet at www.lugato.de in German.

Disposal:

Dispose of cured foam remnants as domestic/construction site waste. Dispose of the completely empty can through the PCR recycling system or the municipal collection point for storing dangerous waste.

The statements made in this information sheet reflect our current knowledge and experience. Since we do not have influence on the object-specific circumstances and the correct execution of the work, we can only guarantee the consistent quality of our products.

For that reason, in case of doubt verify the suitability of the product through a sufficient number of test applications. A direct legal liability can be derived neither alone from the instructions in this information sheet nor from any oral consultation.

The publication of this technical information sheet invalidates the previous editions. Subject to change without prior notice.



Responsible Care (RC) for the chemical industry means taking responsible action. This is made clear through a worldwide initiative. In many countries, chemical associations run national RC programs. In the international initiative, thousands of companies are active with millions of employees. The goal is voluntary commitment to do more than just the compulsory: Promoting sustainability, demonstrating product responsibility, creating more safety for factories and the neighbourhood, improving health protection at the workplace and improving environmental protection. In the frame of its membership in the Verband der deutschen chemischen Industrie, LUGATO has committed itself to adhere to this objective.

If you're not sure of something, please ask!

Feel free to give us a call. You can reach the LUGATO experts at: (040) 6 94 07-222.

Seminars

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