



KEMATERM PU

Polyurethane adhesive for heat insulating panels

- ▶ Easy to use
- ▶ High effectiveness
- ▶ Fill the unevenness's
- ▶ Additional thermal insulation
- ▶ Environment friendly, CFC and HCFC free



PRODUCT DESCRIPTION Polyurethane adhesive for heat insulating panels is one-component polyurethane foam, suitable for installation with sealant gun and hardens due to air humidity.

FIELD OF USE For installation of heat insulating panels from polystyrene on bitumen substrate as parameter sealing on external basement walls. Is also used as assembly aid for installation insulating panels before foundation pit is filled in. Good adherence to concrete, brickwork, plasters, wood, metal, bitumen.

- PRODUCT PROPERTIES**
- Easy to use
 - High effectiveness
 - Fill the unevenness's
 - Additional thermal insulation
 - Environment friendly, CFC and HCFC free



PRODUCT DATA

BASIC INFORMATION

Appearance Aerosol

Packing 750 ml aerosol can/ 12 can in cardboard box

Storage and expiration date 12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

TECHNICAL DATA

Fire-classification B2 and B3 DIN 4102

Yield after foaming 40 litres/ 750 ml can

Skin formation (20°C/65% RLF) 8-10 min

Resilient after 3 hours

Form stability +/-5 % DIN 53431

Subsequent elongation low

Temperature resistance -40°C - +80°C (on short time +120°)

Density SKZ-Methhod 15-25 kg/m³

Pressure resistance at 10 % compression 5-7 N/cm² DIN 53421

Moisture absorption 0,5 % Vol./24 h DIN 53428

Water vapour permeability 50-60 g/m²/day DIN 53429

Heat conductivity 0,035 W/mK DIN 56612

CAN USE The can should have room temperature before installation of heat insulating panels. If it is cooler should placed in warm water (max. 40°C) for ca. 20 minutes. The can should be intensively shaken for several seconds, then the valve protection cap should be removed and the container with the valve kept upwards should be attached to the gun. The valve of the gun should be twisted off. With the gun attached to the container, it is possible to open the valve and release the adhesive by pressing the trigger. Starting profiles should be fixed before the application of panels. KEMATERM PU should be applied with the gun and the container kept in an upright position and the distance kept between the gun and the board allowing the adhesive application.

INSTRUCTIONS FOR USE

BASE The surfaces must be clean, dry and suitable for adhesion. Dust, grease, oil and loose parts must be removed. When applied on mineral surfaces, which are dry and porous recommended moistening the surface with water. Hydration is important, because improves the grip and enhance the speed of adhesive.

BASE PREPARATION Any surface contaminant and other particles should be completely removed, e.g. by means washing devices operating under pressure. Moss and algae should be removed with steel brushes. If present roughness on surfaces should be pre-leveled by the use of rough lime-cement mortar. If the present mark bump on the wall should solved with the grinding of heat-insulating panels from inside to ensured from outside the straight surface.

INSTALLATION KEMATERM PU is applied along the periphery of the board with the distance kept approximately 2 cm from the edges and then also in the middle in w-shaped. Press the insulation panel quickly and firmly against the wall, rub it slightly (open time depending on humidity, max. 10 min.) and protect it from slipping off. Care must be taken to ensure a solid contact patch of the lower row of panels. The resulting joints between the panels and closing joints, especially these on the upper edge, have to be filled with KEMATERM PU. After sufficient mechanical strength of polyurethane adhesive (approx. 3 hours) should proceed with anchoring and processing of insulation panels. At the bottom of the buildings, old plasters, concrete and unloading surfaces anchoring is always necessary.

LIMITATIONS

AIR TEMPERATURE +3°C min./+30°C max.

MATERIAL TEMPERATURE +10°C min./+30°C max.

- WARNINGS**
- Times specified in the technical sheet were measured at the temperature of 23°C and relative air humidity of 50%. Higher temperatures reduce, while lower temperatures prolong those times.
 - Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at air temperatures lower than +3°C and material lower than +10°C.

Recommendation: Remains of unhardened/unset material had to be removed in accordance with the legislation.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.



SAFETY DATA

Keep out of reach of children. Do not breathe in the aerosol. Protect eyes and skin. Use gloves while using, because the fresh foam is very sticky and can only be removed mechanically after curing. Wear protective goggles/ face protection. The container holds compressed flammable gas, therefore it should be protected against heat sources above the temperature of +50°C. The container should not be perforated or thrown into the fire. Avoid contact with combustible sources. Smoking is not allowed.

LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.