

TECHNICAL DATA SHEET	Issue: 2	Version: 2
BK-Pur EPS Kleber GUN	RZ-TLP-098	Date: 19.01.2023.
Created by: Jelena Tomković	Approved by: Vesna Jovanović	

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name of the product: BK-Pur EPS Kleber Gun

Information about the manufacturer:

Banja Komerc Bekament DOO

Kralja Petra Prvog 132

Arandelovac

phone 034-6777-500

fax 034-6777-505

e-mail: komercijala@bekament.com

Contact for the making of the TDS: e-mail: laboratorija@bekament.com

2. DESCRIPTION AND AREA OF APPLICATION

BK-Pur EPS Kleber GUN is a single-component, low-expansive polyurethane foam for bonding and installation of facade insulation boards on concrete, plaster and masonry, which cures in the presence of moisture. It has a very good structure and excellent adhesion even at the temperature of +5°C. BK-Pur EPS Kleber GUN is not soluble after hardening, it is mould-resistant, permanently elastic and can be plastered.

BK-Pur EPS Kleber GUN can be used for high performance bonding and installation of elements made of polystyrene (EPS, XPS, etc.), rigid polyurethane foam (PUR/PIR), gypsumcardboard and cement fiber plates on concrete, mortar and walls, as well as for filling the joints between the insulation boards.

BK-Pur EPS Kleber GUN is tested for thermal insulation, rain impermeability and loss of air. If properly applied, the product helps in energy conservation and as such has a great application for low-energy facilities.

Advantages:

- Efficient gluing of facade insulation boards.
- Saves operating time.
- No on-site mixing required.
- Environmentally friendly.

Limitations:

- Not suitable for continuous exposure to water.
- Not suitable for filling of closed holes with reduced humidity.
- Not suitable for PTFE, PE, PP, PC, PMMA, soft plastics, neoprene and bituminous substrates.

RZ-TLP-098

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3. COMPOSITION

Chemical composition: Compound based on polyurethane.

Hazardous ingredients: In accordance with Regulation (EC) No 1272/2008 on classification, packaging and labeling of dangerous substances and mixtures, by which the CLP/GHS classification and labeling was introduced to legislations, components diphenylmethane diisocyanate, isomers and homologues, tris(2-chloroisopropyl) phosphate are hazardous ingredients, so this product is classified as hazardous, and labeled: Danger.

4. TECHNICAL SPECIFICATIONS

Application temperature, °C	5-35
Curing time, min	80-100
Density, kg/m³	18-25
Appearance	Light yellow foam
Odour	Characteristic
Fire reaction class	B3
Temperature resistance, °C	-40 do 90
Package, ml	825

Certificate:

	FEICA member TR046 VOC emissions ISO 16000 EMICODE EC1 Plus-very low emission
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5. BASE SURFACE

The base surface must be firm, clean and dry, without loose parts, oil stains and the like.

RZ-TLP-098

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6. PREPARATION AND APPLYING

Before use, grease the gun with grease or PTFE spray. Attach BK-Pur EPS Kleber GUN to the application pistol with the NBS thread. Assemble the plastic adapter on top of the gun. Adjust the flow of the adhesive by rotating the screw at the end of the pipe. After use, rotate the screw in a clockwise direction at the end of the gun, until the trigger cannot be activated any longer. Always keep the gun with a tube of glue attached to it. After you empty the glue container, carefully remove it while the switch is pressed to release the remaining gas. At low temperatures, leave the container with the product for at least one hour before using it in warm or at room temperature. Prior to application, shake the container vigorously (at least 30 times).

Fill the cavity halfway and in case of reduced humidity, lightly spray the foam with water. Apply adhesive to the periphery of EPS panels, 5 cm from the edge, and within the contours in successive strips with about 30 cm distance between them. The recommended diameter of the stripes applied with the gun is 10-12 cm. Attaching of the EPS boards in final position should be done about 6-10 minutes before the adhesive starts to form a film. EPS panels at the bottom of the wall have to be fixed on the lower part, so as to avoid sliding off the wall before the curing of the adhesive (5-24 h). Fill the space between the Styrofoam panels, in order to achieve a more efficient insulation.

Glue the insulation boards by coating the board in a continuous line 2-4 cm from the edge. Apply at least one vertical line to the center of the plate. Fasten for 2 minutes after applying the foam and bring to the desired position.

7. CLEANING THE TOOLS

Clean all tools and application equipment immediately after use with BK-PU Cleaner. Hardened, cured material can only be removed by mechanical means.

In order to clean the gun, attach the BK-PU Cleaner to the gun adapter. Never leave the BK-PU Cleaner attached for more than one hour.

8. RUKOVANJE I SKLADIŠTENJE

With correct application, there are not any special precautions necessary for handling. Keep out of the reach of children.

Store at temperatures of +5°C to +25°C, protected from direct sunlight and frost.

Expiration date is indicated on the package.

It must be stored in a vertical position with the valve upward!

RZ-TLP-098

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9. PERSONAL PROTECTION

Protection of the airways: In case of brief exposure use protective mask. In case of intensive or longer exposure use device for respiratory protection, independent of the surrounding air.

Protection of hands and body: Use protective gloves (impervious to the product). After each work break wash hands with water and apply protective cream. Use work clothes with long sleeves and legs and shoes covering the whole foot. Eye protection: Wear safety goggles that lay tightly against the face.

10. INFORMATION ON REGULATIONS

In accordance with Regulation (EC) No 1272/2008 on classification, packaging and labeling of dangerous substances and mixtures, by which the CLP/GHS classification and labeling was introduced to legislations, components diphenylmethane diisocyanate, isomers and homologues, tris(2-chloroisopropyl) phosphate are hazardous ingredients, so this product is classified as hazardous, and labeled: Danger.



Danger

Flammable aerosols, Category 1 H222

Pressurized container: H229

Skin irritation, category 2 H315

Skin sensitization, Category 1 H317

Eye irritation, category 2 H319

Acute toxicity, Category 4: H332

Respiratory sensitization, Category 1: H334

Specific toxicity for the target organ – single time exposure, category: 3 H335

Carcinogenicity, category 2: H351

Specific toxicity for the target organ - repeated exposure: H373

H-phrases:

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

RZ-TLP-098

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H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 If inhaled may cause allergy or asthma symptoms or breathing problem.
H335 may cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

P-phrases:

P101 If medical advice is needed, take the product packaging or label with you.
P102 Keep out of reach of children.
P210 Keep away from heat sources, hot surfaces, sparks, open flames and other sources of ignition. No smoking
P211 Do not spray on open flame or other ignition source.
P251 Pressurized containers: Do not puncture, pierce or incinerate, even when they are empty.
P260 Do not breathe dust, fumes, gas, mist, vapor, spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Reacting:
P302+P352 IF IT GETS ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and place in a position that facilitates breathing.
P342 + P311 If you have respiratory problems: Call a POISON CONTROL CENTER/doctor/...
P305+P351+P338 IF IT GETS INTO EYES: Gently rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P501 Dispose of contents, packaging in accordance with the Law on Packaging and Packaging Waste ("Official Gazette of RS" no. 36/09)
EUH204 contains isocyanates. May cause allergic reaction.

Without sufficient ventilation, the formation of explosive mixtures is possible.

"From August 24, 2023, proper training is mandatory before industrial and professional use."

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11. ECOTOXICOLOGICAL INFORMATION

Based on experiences and existing information, when used properly, negative effects on health are not known. Avoid uncontrolled disposal into sewers and waterways.

12. DISPOSAL METHOD

In accordance with the local/regional/European/national regulations.

13. OTHER INFORMATION

If the contractor when installing the material observes a defect, they are obliged to stop the works and notify the manufacturer, which will in the shortest possible period consider the complaint. Complaints to the manufacturer after installing a large part or the entire amount of material, concerning the characteristics which could have been identified during the installation process cannot be subject to complaint.

14. NOTE

Banja Komerc Bekament DOO performs control of the products through their own laboratory as well as routine testing in certified laboratories. The technical data sheet is a product of our knowledge and practical experience so far, and should serve to all users as a recommendation for achieving the best results. If the weather and other conditions are different from those in our instructions, it is necessary to take our instructions as general guidelines, without warranty for installation.

Bekament Banja Komerc DOO is not liable for damages resulting from improper use or incorrect product selection, as well as for poorly executed works. It is assumed that the contractor mastered the techniques of installation and use of various products. The written instructions are not in any way binding for us.

This document replaces all previous versions, which as of the above date of making of this one are considered invalid.

Date of making: 20.01.2023.

Previous version: Issue 2.1 – 18.04.2022.

Changed chapters: 4.