

EnveoKleber Premium

EXTREMELY FLEXIBLE
GREY ADHESIVE GLUE
FOR ADHESION AND
REINFORCEMENT OF
EPS AND MW

EnveoKleber Premium is a prefabricated dry type of construction adhesive for thermal insulation based on cement, polymer enriched, with additives and fine granulation fillers. Very flexible and with excellent application properties.

Product benefits:

- Very flexible adhesive
- Great mechanical resistance
- For all types of insulation boards

Area of application

Used for adhesion and reinforcement of boardsts from EPS, EPS Graphite, XPS and MW. The product EnveoKleber Premium is not a finishing layer.



Product classification

CS IV Wc2 A2-s1,d0 (EN 998-1:2016)

Base preparation

The base on which the product is applied on must be clean, solid, dry, supported and without parts falling off. Residue of old paint, plaster and substances that reduce adhesion (Oplatoil, oil, dust, salts and other impurities) should be fully removed. In case the base is exposed to moisture, it is necessary to repair the damage causing moisture first or install the insulation layer. Surfaces with deviation from vertical plane larger than 1.5 cm at floor height must be leveled with external cement plaster. Leveling of the surface with adhesive is not allowed - application of a layer that is too thick may lead to adhesive cracking, reduction of adhesion, that may cause cracks on the facade surface and detachment of insulation boards. Concrete surfaces, cement and limestone-based plasters must be minimum 28 days old with moisture residue $\leq 2\%$, mechanically roughened and without dust residue. Strong absorbing surfaces (for example gas-concrete), old plasters and bricks, old mineral facades should be covered with deeply penetrating primer at least 6h prior to adhesion. New and clean surfaces from brick products (full brick, block) should not be treated with primer.

Product preparation and installation

1. Pour 25 kg of adhesive into 5.5-6.5 l of pure water (check the more precise info on the bag), mix with electric mixer to the bottom of the bucket, until the material becomes homogenous. After mixing, leave EnveoKleber Premium for 5-10 minutes and mix once more, and then use it within 1 hour maximum.
2. Set the initial skirting board prior to adhesion of insulation boards, in order to form a direction. After this, start gluing with EnveoKleber Premium.
3. Prior to application of the adhesive on the boards of stone wool it is necessary to perform thin skimming of the parts of the boards to which the glue will be applied or the entire surface with EnveoKleber Premium for impregnation. Apply the adhesion on the back side of the insulation board - in strips to the edges of the board and in dots in the middle. Mineral wool lamella boards require a full application of adhesive mortar. For EPS and XPS adhesion, also apply strip-dot method of adhesive application. The coverage of the board with EnveoKleber Premium adhesive after gluing must be at least 40% of total surface, in order to achieve sound adhesion. Thermal insulation boards should be glued together using the shearing method, by drawing the next row of boards by 30 cm minimum, in order to avoid overlapping of vertical joints. On the corners of the building apply the method of alternate overlapping (jagged joint rule - cross-adhesion of thermal insulation boards). When gluing thermal insulation boards around facade openings, make sure not to match the lines of the opening with the lines of board joints. Clearance between the insulation boards should be filled with thermal insulation material, not the adhesive, in order to prevent the occurrence of thermal bridges.
4. Anchoring and cutting the surplus of boards in corners should be started 48h after adhesion at the earliest. Minimum number of anchors is 5 pcs/m² for EPS, while the minimum quantity is 6 pcs/m² for stone wool and anchors must include iron nails. Anchoring of anchors to the surface should be done directly through the adhesive. Anchoring is mandatory from elevation ± 0.00 , and the accurate number is determined based on required parameters.
5. Prior to the reinforcement of the entire surface, perform corner reinforcements around all openings on the facade, by pressing the facade mesh with minimum dimensions 30x50 cm into the fresh applied EnveoKleber

Premium, in such a way that windows of the mesh are set under the angle of 45° related to opening edges. Afterwards, set required skirting for edge strengthening (PVC corner skirting, contact skirting, end profiles, etc.). Reinforcement should be performed by applying adhesive with jagged stainless-steel trowel with minimum teeth depth of 8 mm. Softly press the EnveoTherm reinforcement mesh into the freshly applied adhesive, making sure that the overlaps of the mesh are at least 10 cm long. After at least 24 hours, start the final leveling of the surface with the adhesive. The total thickness of the glue in the system with EPS should be 4-5mm, and in the system with MW at least 5-6mm. Position the mesh so that 2/3 of the total thickness of the glue is between the mesh and the insulation board.

6. Application of facade primer should be performed after EnveoKleber Premium is completely dry or, at the earliest, in 48h from the application of the final layer of the adhesive.

* All stated parameters refer to standard weather conditions: temperature 20°C, relative humidity up to 65%.

7. During installation and drying, material should be protected from the Sun, wind and rain for at least 48h. Recommended protection method includes setting scaffold screens, but it may be insufficient in case stated impact is of strong intensity. Temperature of the surface and air during the application of facade plaster must be between 5°C and 30°C. If weather conditions do not match the requirements; it is necessary to stop the work and wait for the optimum conditions.

The manufacturer recommends application on small, test surfaces to make sure the product/surfaces are properly prepared and whether appropriate conditions for use and installation have been provided. If not, please stop the work and contact the Saint-Gobain građevinski proizvođači d.o.o Beograd representative. The company shall not be responsible for incorrect execution of works with the stated material as

well as use of material for the purpose not stated in product description. Complaints submitted after execution of works shall not be accepted.

Tools

For mixing: electric mixer.

For application: steel trowel, spatula.

Product consumption

EPS: For adhesion approximately 5-7 kg/m², depending on the adhesive layer thickness, conditions during application and surface on which the thermal insulation boards are set. For reinforcement mesh placement: approximately 4-5 kg/m², depending on adhesive layer thickness and conditions during application.
MW: For adhesion approximately 6-8 kg/m², depending on the adhesive layer thickness, conditions during application and surface on which the thermal insulation boards are set. For reinforcement mesh placement: approximately 5-7 kg/m², depending on adhesive layer thickness and conditions during application.

Keeping, storage and transport

Product EnveoKleber Premium must be stored in original, undamaged packaging, on solid and functional pallets, in dry space, without direct exposure to snow, rain, hail and sun, protected from frost, in closed or covered space. The product is not hazardous for transport in the sense of all national and international transport regulations. During transport, the product must be protected from the elements. Transport and store the product at temperature from +5°C to +30°C.

Product safety

Hazardous compound ingredients: Portland cement, gray, 20-50%.



Danger

May lead to severe eye damage. Causes skin irritation. May cause allergic skin reactions. May cause respiratory organs irritation. Wear protective gloves, protective clothes, protective goggles and face protection. IN CASE OF EYE CONTACT: Carefully rinse with water for a few minutes. Remove contact lenses, if any, and if possible. Continue rinsing. Immediately call the POISONING CONTROL CENTER or contact a physician. IN CASE OF SKIN CONTACT: Rinse with plenty of water and soap. IN CASE IT IS INHALED: Take the person to fresh air and put it in a position that facilitates breathing. Disposal of content and packaging in line with regulations in RS.

Content of soluble chrome Cr (VI) in the product is less than 0.0002% calculated at total mass of dry cement.

Technical characteristics of the product

Product color: EnveoKleber Premium is a gray adhesive.

Packaging: natron bag 25 kg, 1200 kg on the pallet.

Expiration date: 12 months from the production date pressed on the packaging.

Detailed information on product, additional documentation and safety data sheet are available on the official webpage www.saint-gobain.rs.

Cleaning

Residue of fresh product can be cleaned from the tools and surfaces with water. Hardened product must be removed only mechanically.

Product limitations

Thermal insulation adhesive EnveoKleber Premium cannot be used in the following situations:

- With wooden and metal surfaces
- With insufficiently supported surfaces
- At temperatures for storage, transport, application and drying lower than +5°C and higher than +30°C,
- As finishing layer within facade systems
- With surfaces containing impurities and moisture

Environment

Unused product and empty packaging may not be disposed outside of waste management locations. See safety data sheet of the product for more information.

Disposal of content and packaging in line with local regulations. Dispose the packaging and unused material separately. Do not allow penetration into the sewerage system. Do not dispose together with municipal waste.

Country of origin and product manufacturer

Country of origin: Republic of Serbia.

Importer and distributor: Saint-Gobain
građevinski proizvodi d.o.o. Beograd,
115d Bulevar Mihajla Pupina, 5th floor,
11070 Novi Beograd, Republic of Serbia.
Contact telephone: 011/3149681.



**SAINT-GOBAIN GRAĐEVINSKI
PROIZVODI D.O.O. BEOGRAD**

115d Bulevar Mihajla Pupina Street,
V floor 11070 • Novi Beograd • Serbia
Tel.: + 381 11 314 96 84
info.rs@saint-gobain.com
www.saint-gobain.rs

Technical information stated herein as well as recommendations are based on our knowledge and experience in cases when the product is properly stored, used, transported and when handled in regular conditions. The buyer, or the user of the product is advised to test the product, if it is suitable for use for intended purpose. Considering the fact, we do not have influence on the circumstances of product use and handling, we shall not be liable for consequences occurring from irregular use. The buyer, or the user of the product shall be liable in case the product is kept, transported, installed and used contrary to instructions, purpose and properties and information on product safety, as well as after stated expiration date for product use. Our team of experienced experts provides advice in phases of planning and application of our products. Visit to the construction site and demonstration of application of our products may be organized at request. Complaints submitted after the completion of work will not be accepted. Contact our technical team and find out more on our products on the website www.saint-gobain.rs. This technical data sheet is valid from 01.03.2025 and supersedes all previous versions for this product.



ADHESION YOU CAN'T TEAR YOURSELF AWAY FROM

EnveoKleber Premium

is an extremely high quality adhesive suitable for all types of buildings and insulation, with high adhesion and easy workability.

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