

# IZOALFA

Insulating panel for clinker tiles finishing  
Izodom 2000 Polska



Izodom 2000 Polska's broad selection of products includes specialist exterior insulating panels for every kind of construction, permitting easy and effective added insulation. One of such products is the Izoalfa insulating panel for clinker tiles finishing, which is designed to be easily covered with 71 mm high clinker façade tiles. Thanks to a special profiling of their external surface, including parallel several-millimeter wide "strips", our panels can be simply and conveniently covered by an arrangement of clinker façade tiles. The attached clinker façade tiles are likewise edged with an elastic grouting joint, thus ensuring that a building has an elegant and very durable façade.



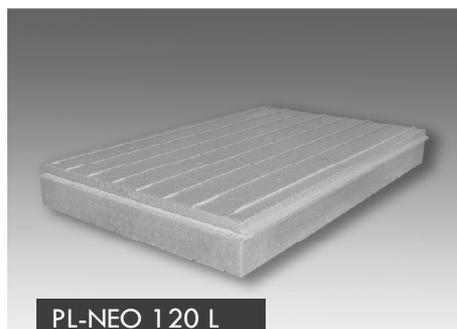
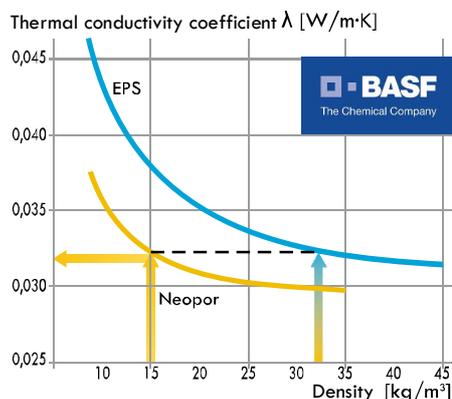
Insulating panels for clinker tiles finishing are attached to the building's existing walls to obtain durable and airtight thermal insulation. The walls can then be finished using clinker façade tiles, which can be simply and quickly arranged thanks to the "strips" on the surface of each panel. The façade of clinker tiles will give the building a durable and very decorative finish.

Panels for clinker tiles finishing are produced from two kinds of material: EPS and NEOPOR, the latter providing insulation greater even by 30%. These materials are resistant to biological corrosion, practically non-absorbent and resistant to mechanical damage. Both kinds of materials are supplied by BASF, which guarantees their quality and excellent practical properties.

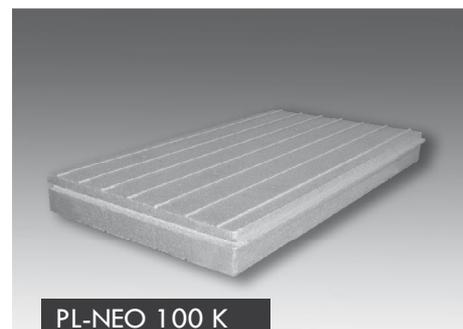
These insulating panels are formed in special moulds, thanks to which they feature an excellent degree of repeatability of dimensions and also a smooth surface and uniform structure. It is precisely thanks to this that they can be cut without the use of hot wire and cutting leaves no rough edges. The panels are joined by means a "tongue and groove" method. This kind of connection between panels ensures there are no thermal bridges and a smooth and airtight insulation surface is obtained.

## Advantages of insulating panels:

1. Excellent insulating properties
2. Non-absorbent surface
3. Repeatable dimensions and angles
4. No thermal bridges
5. "Tongue and groove" joints
6. Quick assembly
7. Durability and simplicity



Panel for clinker tiles finishing (Neopor)  
64,8 x 100 x 12 [cm]



Panel for clinker tiles finishing (Neopor)  
56,7 x 100 x 10 [cm]

Thanks to the use of insulating panels produced by Izodom 2000 Polska, preparing durable and airtight insulation of a building is simple and vastly improves the appearance of façades. It should however be remembered that the best effects and high-quality finishes are guaranteed when the work is carried out by specialized companies with years of experience in jobs of this type.

**Stage 1: Assembly conditions**

Insulation works should be carried out at the temperatures ranging from 5 to 25°C on dry days. Work should not begin on walls that are in direct sunlight or when temperature drops below 0°C are forecast, because this may lead to the façade falling off.

Insulation works may be carried out on any flat, load-bearing surface with a suitable degree of durability and evenness. The base surface must be cleaned of any dirt, particularly dust, grease and other substances preventing good adhesion. Best results are obtained when the base surface is washed with a high pressure water hose.

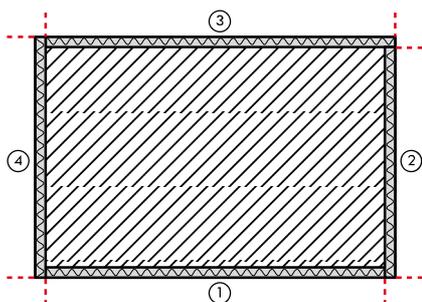


diagram 1: order in which work is carried out

**Stage 2: Checking the base surface**

The cleaned base surface should undergo a strength test. This test should be carried out by the insulation engineer using appropriate devices.

**Stage 3: Preparation of panels**

Insulating panels should be seasoned before assembly. They should not be subjected to weather conditions for more than 7 days and any yellow surfaces should be sanded and dedusted.

**Stage 4: Assembling panels**

We always begin arranging panels and finishing off evenly with the edge of the insulated wall [see diagram!]. They should be attached horizontally to the base surface, maintaining a staggered arrangement of vertical joints, with tongues fitting grooves on panel edges. The joints of the panels cannot create a consecutive arrangement or cannot be located where there are cracks in the wall. The erected panels must adjoin to each other seamlessly. There may not be any adhesive left in the joints. Any parts of panels protruding beyond the edges of walls must be cut off. While carrying out the insulation of successive walls, the panels should be assembled in such a way as to create an overlap in relation to the insulation carried out on the last wall [diagram 1].

**Stage 5: Applying adhesive**

The method for applying adhesive to the rear surface of the panel is at the edges and some on the surface.

The amount and thickness of the adhesive depend on the condition of the base surface, however a good point of contact with the wall must be ensured. The panel coated with the adhesive is applied to the wall and pressed firmly in place immediately after the adhesive has been applied. Once the panel has been positioned it should not be repressed or repositioned.

**Stage 6: Making sure the insulation has no gaps**

The surface of the applied panels should be even, and gaps between them should not be larger than 2 mm. Any unevenness should be smoothed using abrasive paper.

**Stage 7: Mechanical fixing**

In some cases additional mechanical fixing using connectors is recommended. The type, length and quantity of connectors should be specified by the designer.

**Stage 8: Wall finishing**

The insulated walls are finished by attaching clinker façade tiles between the "strips" on the insulating panel. Once the adhesive under the tiles has dried, the gaps between tiles are filled with grouting.



The installed clinker façade tiles along with grouting joints on the insulating panel

Insulating panels for clinker tiles finishing are made of EPS and NEOPOR. These are available in sizes 56.7 x100 cm and 64.8 x100 cm. Each size is produced in the thicknesses of 6, 8, 10 and 12 cm. To learn more about our product, its availability and price, please contact our representative or visit us at our office.

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