TECHNICAL AND APPLICATION SPECIFICATION FOR BRICK SLIP ON ROCK WOOL INSULATION

It is a 0.5 mm thick galvanized sheet, manufactured in 445×1200 mm dimensions, and equipped with special clips and locking mechanisms designed for attaching brick slips.

Two sheets cover an area of 1 m².

1. CLINKER BRICK SLIP TECHNICAL SPECIFICATION

It is a factory-made brick fired up to sintering point, with high unit weight and frost resistance.

1. DIMENSIONS: 215 × 65 × 15 mm
2. SAMPLE DESCRIPTION: Clay-based, smooth and textured vertical wall surface cladding
3. WATER ABSORPTION: - Gradient Color Series: Max. 4% - Other Colors: Max. 7%
4. DIMENSIONS & TOLERANCES: - Length: ± 3–4 mm - Width: ± 1–3 mm
5. FLEXURE COEFFICIENT: Average 0.49%
6. WARPING (LONGITUDINAL & TRANSVERSE): - Longitudinal: 2.00 mm - Transverse: 1.00 mm
7. WATER TIGHTNESS: Max. 0.5 $cm^3/cm^2/day$
8. REACTION TO FIRE: A1
9. FROST RESISTANCE: Class A (12 Cycles: –16°C, +12 Cycles: –5°C)
10. FLEXURAL STRENGTH: Min. 670 N

The tests are conducted in accordance with the relevant TSE standards and can be shared with the concerned parties upon request.

2. BRICK SLIP PROPERTIES

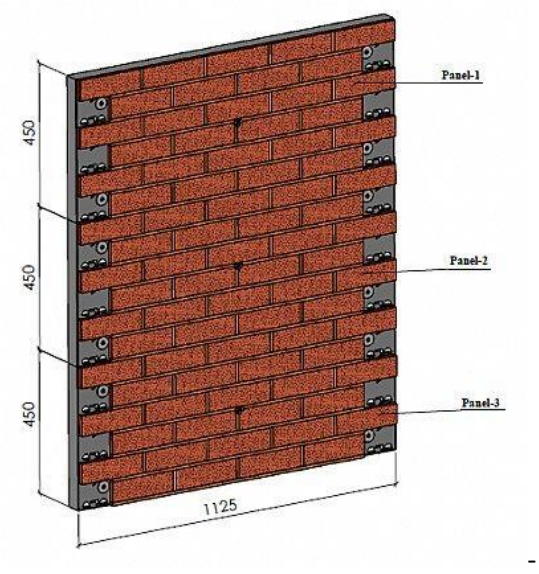
The selected brick slip surface may be wire-cut, rustic, smooth, or brushed; the back side must include vertical grooves to ensure strong adhesion to the application surface. The brick slip must not contain chamotte, kaolin, or other inorganic ceramic raw materials.
If a gradient (degrade) brick slip is selected, its water absorption rate must be reduced to a minimum of 4%.
Manufacturer: Işıklar Brick or equivalent.

3. ROCK WOOL, I-S BOARD AND BRICK SLIP INSTALLATION

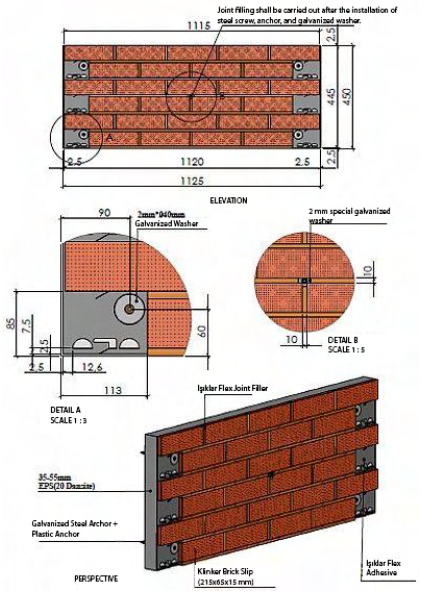
The surface to be covered must be leveled both horizontally and vertically using a 2 cm thick rough plaster, ensuring plumbness and smoothness. Rock wool boards shall be adhered to the wall surface by applying notched flex adhesive. One anchor shall be installed at the center of each rock wool board. This anchor must be a steel anchor where it coincides with reinforced concrete, and a plastic anchor with steel nail where it coincides with a brick wall. For steel anchors, M10x160 mm anchors shall be used, and drilling must not be done with a hammer drill. The drill holes must be smaller than the anchor diameter.
I-S Board panels shall be fixed on top of the rock wool surface with five anchors per panel. Steel anchors shall be used for areas aligned with reinforced concrete, and plastic anchors with steel nails shall be used for areas aligned with brick walls.
Clinker brick slips shall be adhered onto the supporting hooks/tabs on the surface of the I-S Board panels using polyurethane or MS polymer adhesive. The brick slips are also mechanically secured with the fixing hooks embedded in the I-S Board panels.
After a minimum of 48 hours, joint filling can begin. Flexible joint filler shall be prepared in accordance with the usage instructions and applied between the bricks using a joint gun. Once the filler has reached a plastic consistency, the excess shall be removed using a joint shaping tool and the surface shall be cleaned with a soft brush.

4. I-S BOARD SYSTEM DETAILS

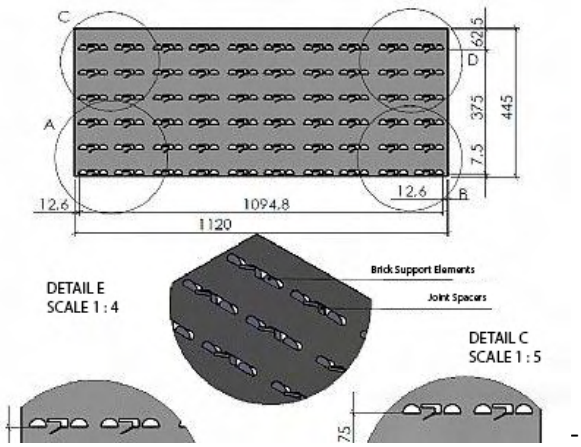
* Suitable for commercial, residential, and industrial construction applications on both interior and exterior façades.
* The I-S Board System addresses common issues related to moisture migration caused by extreme heat and substrate incompatibility.
* Provides design flexibility.
* Resistant to fire and moisture.
* Note: If insulation is to be used in the project, a moisture barrier and insulation material such as 150 kg/m³ rock wool, XPS board, or EPS board must be applied behind the system. Insulation anchors suitable for the selected insulation type must be used. After completing the insulation and moisture barrier, the I-S Board system must be installed as shown in the project details.



- I-S BOARD SYSTEM BRICK SLIP ELEVATION



- I-S BOARD SYSTEM ANCHOR CONNECTION DETAILS

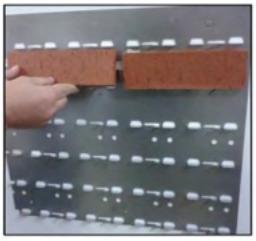


- I-S BOARD SYSTEM METAL SHEET PLATE DETAILS

5. APPLICATION STEPS

1. I-S Board panels are fixed onto flat surfaces (such as OSB, concrete slab, or gypsum board) using self-drilling screws, rivets, or anchors.

2. Polyurethane adhesive sealant is applied between the grooves using a caulking gun.



3. Clinker brick slips are mounted one by one onto the adhesive-applied areas, leaving a 1 cm vertical joint gap between each brick.

4. After the installation of the brick slips is completed, the joints are filled using a joint filler gun.

5. Once the joint filler has cured, the joints are shaped and finished using a jointing tool.

6. Finally, after shaping the joints with a jointing tool, any excess mortar on the brick surface shall be cleaned using a dry brush.