

## **BRICK SLIP INSTALLATION AND TECHNICAL SPECIFICATION**

### **MATERIAL INFORMATION:**

Brick Slips: Işıklar Brick or equivalent

Flex Adhesive

Flex Joint Filler

Colors: Red, Brown, Yellow, Gray, Gradient, etc.

Areas of Use: Used for façade renovations of existing buildings and on the exterior surfaces of new buildings. Applicable on reinforced concrete walls, shear walls, aerated concrete, pumice blocks, bricks, and on the outer surfaces of structural elements such as columns and beams.

Handling & Storage Instructions: Materials must be carefully unloaded at the application site using a forklift or crane, and stacked in a neat and stable manner. On-site transport should be done carefully using manual labor or hand carts to prevent breakage. Materials must be protected from external elements such as rain and moisture in the storage area.

### **Brick Slip Technical Properties:**

It is a factory-produced brick, fired up to the sintering point, with high unit weight and resistant to frost.

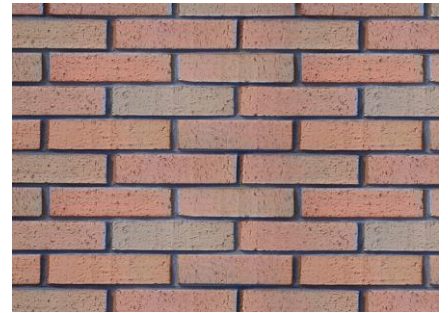
DIMENSIONS	215*65*15 mm.
SAMPLE DESCRIPTION	Clay-based, smooth, textured, vertical wall surface cladding.
WATER ABSORPTION TEST (by boiling method)	GRADIENT SERIES AVERAGE MAX. 4% OTHER COLOR SERIES AVERAGE MAX. 7% (TS EN 771-1 Clause 5.3.7.2)
DIMENSIONS AND DIMENSIONAL TOLERANCES	(Length $\pm 4.3$ mm, Width $\pm 1.3$ mm) (TS EN 1304:2007 Clause 4.3.2)
FLEXURE COEFFICIENT	AVERAGE 0.49% (TS EN 1304 April 2007 Clause 4.3.2.1)
6- LONGITUDINAL AND TRANSVERSE WARPING	Longitudinal: 2.0 mm, Transverse: 1.0 mm (Table 3) (TS EN 1304 April 2007 Clause 4.3.2.1)
7. WATER TIGHTNESS	TS EN 539-1 Method-1 Max: 0.5 cm <sup>3</sup> /cm <sup>2</sup> /day (TS EN 1304 April 2007 Clause 4.4.1)
8. REACTION TO FIRE	(TS EN 1304 April 2007 Clause 4.5.2.2) A1 Max.: 0.713
9. FROST RESISTANCE	Test method: A (12 Cycles: -15°C + 12 Cycles: -5°C) (TS EN 539-2)
10. FLEXURAL STRENGTH	FOR FLAT TILES: 600 N (TS EN 538)

Note 1: These values represent the minimum required standards; however, the authority reserves the right to demand higher performance levels. For each batch of material received, the authority may require testing on selected samples by an accredited organization to verify compliance with the technical specifications. In the event of non-conformity, the authority reserves the right to reject the material or the related work.

Note 2: The front face of the brick slip shall be smooth, wire-cut, or rustic, while the back face must include vertical grooves to ensure proper adhesion to XPS or the wall surface.

The brick slip must not contain chamotte, kaolin, or other inorganic ceramic raw materials; it must be composed exclusively of clay.

Note 3: Corner bricks shall be used at building corners and corner transitions.



REFERENCE IMAGE  
ALTERNATIVE COLOR SHALL BE DETERMINED BY THE  
AUTHORITY

## TECHNICAL PROPERTIES OF FLEX JOINT FILLER AND FLEX ADHESIVE

PROPERTY	<u>Flex Joint Filler</u>	<u>Flex Adhesive</u>
COLOR	Cement-based, polymer-modified wide joint filler	Cement-based, polymer-modified flexible adhesive
APPLICATION	Available in gray, beige, brown, black, and red	
TEMPERATURE	Applied at temperatures between +5°C and +35°C.	Applied at temperatures between +5°C and +35°C.
SHELF LIFE	6 months in original packaging	6 months in original packaging Yaklaşık
WORKABILITY TIME	Approximately 35–40 minutes	Approximately 30–35 minutes
PACKAGING TYPE	Kraft bag	Kraft bag
CONSUMPTION	4-5 kg./m2	5-6 kg./m2

### SURFACE PREPARATION:

- Any materials that may impair adhesion such as paint residues, insulation remnants, burrs, mortar particles, oil, dust, or weak/non-load-bearing plaster layers must be completely removed from the surface. For rough or uneven surfaces, such coatings should be scraped off; if not possible, the surface should be leveled with a new layer of plaster.
- The building façade must be plumb and level. The surface should be checked with string lines and plumb tools beforehand, and any irregularities must be corrected before starting the application.
- If the wall is damp, both the body and surface of the wall must be thoroughly dried.
- During system installation, Flex Adhesive and Flex Joint Filler, specially developed for exterior façades and in accordance with the technical specifications of the brick slips, must be used.
- The surface must be prepared in line with the principles mentioned above.
- A reference point on the façade should be marked and a base elevation determined. Elevation levels must be transferred to the rest of the façade using a water level or laser level (nivo).
- After defining the starting point and elevation levels, the insulation band (pestil) must be checked up to at least 20 cm above the ground level, and the aluminum starter profile must be installed and aligned according to the elevation.
- The Flex Adhesive must be prepared in accordance with its application guidelines.
- A small amount of adhesive is applied to the back side of each brick slip, and it is then placed onto the application surface. Brick slips must be laid horizontally using 1×1 cm wooden or metal spacers and vertically with 1 cm joint spacing. Care must be taken to align vertical joints properly.
- After completing the bottom row, upper rows can be applied. It is essential to ensure that horizontal and vertical joints remain aligned and plumb. Vertical alignment should be checked every 2–3 meters and at all corner transitions, using plumb lines and cords. Horizontal levels should be regularly checked with a spirit level.
- At corners and cut sections, bricks should be neatly cut using a grinder.
- Corner bricks must be used at all façade corners, window and door returns.
- After the Flex Adhesive has dried (minimum 24 hours), joint filling can begin.

### JOINT FILLING APPLICATION:

- Flex Joint Filler must be prepared in accordance with the manufacturer's instructions.
- The joint filler to be used for brick slips must be applied with a minimum joint width of 10 mm.
- Flex Joint Filler must be applied using a joint gun, taking care not to smear it onto the brick surface.
- Once the filler has dried to the point that it no longer sticks to the fingers, it should be shaped using a jointing tool.
- Joint filling should not be performed in humid or rainy weather conditions.
- It is important to complete each façade surface on the same day in order to prevent color tone variations.

### SURFACE CLEANING:

- Any Flex Adhesive, Flex Joint Filler, or mortar residues that get on the surface during application should not be wiped off while still wet. Cleaning should be performed after the material has dried, using a hard plastic brush. For heavily soiled surfaces, Işıklar Surface Cleaner should be used to carry out the cleaning process.