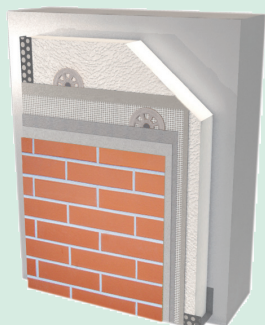


BRICK SLIPS

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EXTERNAL WALL INSULATION
PAREXLANKO



PRODUCT FEATURES

- ▶ Good impact resistance
- ▶ Excellent fire resistance

REFERENCE DOCUMENTS

- ▶ Approved specifications («DTA») for **PARISO PSE-M** and **PARISO LR-M** systems
- ▶ European Standard EN 12004
- ▶ French Standard NF P 13-307

DESCRIPTION

- Brick slips for **PARISO PSE-M** and **PARISO LR-M** External Wall Insulation systems. The brick slips process uses these panels, a mortar adhesive and a grouting mortar.
- Brick slips are available in several different colours and sizes.

USES

- **PERMISSIBLE SUBSTRATES**
 - **MAITE** reinforced base coat from **PARISO PSE-M** and **PARISO LR-M** EWI systems.
- **USAGE RESTRICTIONS**
 - Do not apply:
 - to horizontal or inclined walls that are directly exposed to harsh weather conditions,
 - to walls that will be totally or partially below ground,
 - above an altitude of 900 m in mountainous regions.

SPECIFICATIONS

- **Panel adhesives**
 - Mortar adhesives compliant with Standard EN 12004, classified as C2-S1-E «Façade» and quality-certified («QB») by the CSTB*:
 - **572 PROLIFLEX HP**
 - **5071 PROLISSOUPLE**
 - **5074 PROLICREME**
 - For each product, please refer to the relevant Technical Data Sheet.
- **Panels**
 - Brick slips compliant with standards in force (e.g. for France, NF P 13-307) and presenting a solar absorption factor of less than 0.7 and a steam expansion rate of less than 0.3 mm/m, e.g. those manufactured by:
 - **WIENERBERGER**
 - **TERREAL**
 - **BRIQUETRIES DU NORD**
 - Please refer to the application specifications (DTA) for **PARISO PSE-M** and **PARISO LR-M** EWI systems for precise details of permissible panels.
- **Panel grouting mortar**
 - Mineral mortar with an elasticity modulus of less than 8 GPa when hardened:
 - **547 PROLIJOINT RUSTIC**
 - **PARJOINT**
 - **EHI GM/GF**

PERFORMANCE CHARACTERISTICS

- The performance characteristics described hereafter are those of **PARISO PSE-M** and **PARISO LR-M** EWI systems finished with brick slips (please refer to the relevant Technical Data Sheets for each system).
- **Impact resistance**
Permissible for highly-exposed ground floor façades with simple, standard reinforcement.
- **Reaction to fire:**
 - B-s1, d0 for **PARISO PSE-M**
 - A2-s1, d0 for **PARISO LR-M**
- **Wall types for new build:**
 - Type XI on uncoated masonry
 - Type XII on concrete or coated masonry
- **Stability in seismic zones**
Brick slips are suitable for use:
 - **in seismic zone 1:** on category I to IV buildings
 - **in seismic zone 2:** on category I to II buildings
 - **in seismic zones 3 & 4:** on category I buildings

INSTRUCTIONS

- Use of brick slips must be compliant with the application specifications (DTA) for **PARISO PSE-M** and **PARISO LR-M** EWI systems, and with any relevant recommendations issued by **PAREXLANKO** for specific applications.
- The use of brick slips is restricted to three-storey buildings or less (with a maximum height of 9 m). Above this height, brick slips may only be used for certain limited areas of the façade such as:
 - window surrounds,
 - non-continuous window ledges,
 - decorative string course not exceeding 10% of the storey height,
 - loggias,
 - non-continuous balconies with a maximum window > balustrade distance of 60 cm.
- **TOOLS**
 - Slow speed electric mixer (less than 300 rpm).
 - General-purpose or diamond circular saw blade.
 - Plasterer's knife
 - Stainless steel float or plastering trowel.
 - U6 notched spreader (square 6 mm teeth).
 - Round-nose trowel.
 - NB: Clean tools with water after use.

BRICK SLIPS

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CONSUMPTION

Mortar adhesive and grout consumption is expressed below in terms of powder weight:

► Panel adhesives

572 PROLIFLEX HP: 6 to 7 kg/m²

5071 PROLISOUPLE: 6 to 7 kg/m²

5074 PROLICRÈME: 3 to 4.5 kg/m²

► Panels

The number of brick slips «N» per m² is expressed as follows:

$$N = \frac{10^6}{(L+j) \times (w+j)}$$

► Panel grouting mortar

Consumption «C» in terms of kg/m² is expressed as follows:

$$C = A \times t \times \frac{(L+j) \times (w+j) - L \times w}{(L+d) \times (w+d)}$$

L: panel length (mm)

w: panel width (mm)

j: joint width (mm)

t: panel thickness (mm)

A: constant value for each grouting mortar, i.e.:

- A = 1.7 for **547 PROLIJOINT RUSTIC**

- A = 1.5 for **PARJOINT**

- A = 1.1 for **EHI GM/GF**

PACKAGING

- Please refer to each product's Technical Data Sheet

STORAGE

- Please refer to each product's Technical Data Sheet

WARRANTY

- Manufacturer's liability

■ SPRAYING EQUIPMENT

- Low pressure spraying machine.
- Grout gun or grout bag.

■ PRODUCT PREPARATION

- Please refer to the relevant Technical Data Sheets for each product.

■ APPLICATION

Bonding the panels

- A period of at least 24 hours is required between application of **MAITE** reinforced base coat and bonding of brick slips. In cold, damp weather, this period may extend to several days.
- The mortar adhesive must be made up in compliance with the instructions of the relevant product's Technical Data Sheet, with special attention being paid to the following water dosage instructions:
 - **572 PROLIFLEX HP:** 6 to 6.5 liters per 25 kg bag
 - **5071 PROLISOUPLE:** 5 to 5.5 liters per 25 kg bag
 - **5074 PROLICREME:** 4.9 to 5.4 liters per 15 kg bag

Panels are hung using the dual bonding technique, i.e.

- Adhesive is first applied to the **MAITE** reinforced base coat, covering small surfaces so as to ensure that the open time of the adhesive is not exceeded. Apply with a plasterer's knife or stainless steel float and then adjust to the desired thickness with a U6 notched spreader.
- Adhesive is then applied to the underside of the panels with a plasterer's knife or trowel so as to form a layer between 1 and 2 mm.
- Brick slips are then placed in position, pressed firmly and then tamped down so as to release any trapped air.
- A joint of 10 to 12 mm must be left between panels, with a regular depth and with no major adhesive overflow.
- Brick slips can be laid with straight or offset joints starting from a low-level angle on the base rail of the system. Final layout of brick slips is left to the discretion of users, the sole condition being that joints are horizontal and vertical.

Grouting joints between panels

- Grouting mortar is made up using a slow-speed electric mixer, paying attention to the following water dosage instructions:
 - **547 PROLIJOINT RUSTIC:** 2.5 to 3.5 liters per 25 kg bag
 - **PARJOINT:** 5 to 6 liters per 30 kg bag
 - **EHI GM/GF:** 6 to 7.2 liters per 30 kg bag

Three possible application methods

- **Trowel:** press the mortar firmly into each joint with the rounded end of the trowel, taking care to fill the joint completely.
- **Float:** press the mortar into the joints with diagonal cross strokes, pressing firmly so as to fill them completely.
- **Grout gun or grout bag:** application with a grout gun requires the use of a spraying machine to push the mortar into the joint. If using a grout bag, position the end of the nozzle against the joint and squeeze out a regular, continuous thick bead, taking care to fill the joint completely. Press the mortar into the joint with a grout knife and then remove any excess mortar with the flat end of a trowel.
- For brick slips with a roughened or structured surface, which may become soiled when cleaning away excess mortar, a grouting pump should be used, or a mortar with a coarser grain, such as **547 PROLIJOINT RUSTIC**.

As soon as the joint surface begins to harden, two finishing options are possible

- **Rustic finish:** brush over the joint with a soft hand-brush, or for a coarser finish, a nylon bristle brush.
- **Smooth finish:** smooth the joints with a slightly damp sponge or sponge-backed float or a flat-blade scraper.
- Any specific jointing issues must be dealt with in advance in accordance with the application specifications (DTA) for **PARISO PSE-M** and **PARISO LR-M** EWI systems.

TECHNICAL ASSISTANCE: ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

TECHNICAL DATA SHEET ISSUED - September 2017

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at www.parexlanko.com

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PRECAUTIONS

- For professional use only.
- Do not apply on frozen or thawing substrates, on saturated substrates or on overheated substrates.
- Do not apply during rain or fog, strong winds, or if frost is forecast in the next 24 hours.
- Do not apply in temperatures below + 5°C (light colours) or below + 8°C (strong colours). Between + 30°C and + 35°C, special precautions must be taken.
- Before and throughout the application process protect wooden, metal, aluminium and glass elements.
- In order to reduce the risk of rust marks during application, please use stainless steel tools.
- To avoid colour differences please ensure that water dosage and mixing times are as constant as possible.
- Always use the same panel and grout batch numbers for the same façade.
- Use wedges for adjusting the position of vertical joints and a nylon cord for horizontal joints.
- Check flatness and levelness every 7 rows of panels.
- Cut panels with a general-purpose or diamond circular saw blade.
- Appropriate personal protection equipment (gloves and glasses) must be worn.
- Please refer to the Safety Data Sheet for further information on suitable equipment.