

LASTRAS SPECIAL MORTAR

PRODUCT DESCRIPTION

The **Portobello Lastras Special Mortar** is a very high-performance and adhesion product that allows for laying large format coatings with better safety, efficiency and performance. It was especially developed for porcelain applications of the Lastras Line.

It is a product that meets the classifications of Brazilian and European Standards:

- EN 12004 (S1), thus providing flexibility.
- ISO 13007 (C2 E), thus offering extremely high adherence with extended open time.
- NBR 14.081-1 (ACIII D), providing sliding resistance.

INDICATION

This product is especially indicated for laying Porcelain Tiles of the Portobello Lastras Line with shapes, thickness and applications listed below:

FORMAT	THICKNESS
100 x 300 cm	4.8 mm
90 x 270 cm	6 mm
120 x 240 cm	9 mm
120 x 260 cm	6 mm
120 x 270 cm	6 mm
120 x 278 cm	6 mm
160 x 320 cm	6 mm

- Conventional laying and overlapping on indoor floors;
- Overlapping on indoor and outdoor walls measuring up to 3.2 meters;
- Conventional installation of indoor and outdoor walls up to 6 meters in height;
- Heated and unheated pools;
- Wet and dry saunas.

COMPOSITION

It is formulated based on Portland cement, processed salt-free sand with controlled granulometry and high-tech chemical additives.

LIMITATIONS

This product should not be used:

- On facades over 6 meters in height;
- For the technical purpose of waterproofing and on refractory material;
- On unsteady bases with cracks, hollow sound, displacements, etc.;
- On a very wet subfloor or plaster, wait for the base to dry before starting the application;
- During application, on bases at temperatures below 0°C and above 40°C;
- In greenhouses;
- On wood, parquet, vinyl, metal, fiberglass, particle board, paint, plaster and cement board bases;
- After 2 hours of mixing.

TECHNICAL RECOMMENDATIONS

- The back of the coating must be clean, free of release agent, oil, dirt or any other type of impurity that could damage the integrity of the laid base;
- When coating the external walls of barbecue grills, fireplaces and ovens, it is essential that internal walls be coated with refractory materials, properly laid with refractory mortar;
- The use of notched trowels with a radius of at least 10 mm is recommended to minimize the possibility of backfilling failure;
- When the wear on the trowel notches exceeds 1 mm in height, it should be replaced;
- On floors and walls of indoor and outdoor environments, for pieces over 900 cm², using a *double layer is mandatory;
- For facades, the *double layer is mandatory for 400 cm² tiles and the use of notched trowels with a radius of 10 mm is recommended to minimize the possibility of backfilling failure;
- Details about the coating design should be discussed with the planner.

ATTENTION

Avoid contact with eyes, skin and clothing during handling. Wear safety glasses, rubber gloves and a mask to avoid inhaling the product. In case of contact with the eyes, rinse immediately with running water and do not induce vomiting in the event of accidental ingestion. In both situations, seek immediate medical help; **KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.**

CONSUMPTION

Coating format (cm ²)	Format of trowel notches (mm)	Approximate consumption (kg/m ²)
		*Double layer
Smaller than 900	Semicircular 10	8 to 10

Consumption may vary according to the type of trowel used and base conditions.

RELEASE FOR TRAFFIC

Construction personnel (carefully)	72 hours, for grouting
Light Traffic	7 days after laying
Heavy Traffic	14 days after laying

STORAGE / SHELF LIFE

Store in the original packaging, in a dry place protected from rain, sun and heat, on pallets and in stacks of 1.5 meters maximum height.

If stored according to the instructions above, the product is valid for one (1) year after the manufacturing date shown on the packaging.

PRODUCT PREPARATION AND APPLICATION

- The coating should only be laid after 14 days of base (subfloor) curing, as indicated by the Standards: NBR 7200, NBR 13753, NBR 13754.
- The base surface must be rough and free of cement, moisture, rust stains, grease, efflorescence, release agent, dust and mold. Clean with a wire brush and wash with high-pressure jets to remove all dirt before laying.
- Waterproofing, cracking and resistance problems must be corrected 72 hours before laying.
- The flatness must be checked using a 2-m ruler, which must not exceed a 2 mm difference in any direction from the base.
- Before laying the mortar, base absorption should be evaluated by spraying water on the surface. If the water is absorbed in less than 60 seconds, there will be loss of adhesion. In this case and when the

location is subject to sun and wind, the base should be moistened, but without drenching.

- Spacing, movement and structural joints must be brought to the coating surface and filled with deformable material (for example, products based on expanded polyethylene or polyurethane) and then sealed with flexible sealant.
- Protect friction-sensitive surfaces (aluminum parts, metal inserts and embossed details) with adhesive tape, as they can get stained or scratched during mortar application.



1. In a clean, dry, metal or plastic container, mix the product manually or mechanically with clean water until it forms a firm paste without any dry lumps. In order not to interfere with the mortar setting time, it is advisable to work with the product protected from the sun, wind and rain. **DO NOT ADD ANY COMPONENTS OTHER THAN WATER.**

Add 5.4 liters of water (± 200 ml variation) for every 20 kg of mortar.



2. Let mortar rest for 10 minutes. Mix again and apply with an appropriate notched trowel.



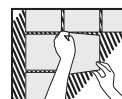
3. Apply the mortar over the base with the smooth side of the trowel and then pass the notched side over it at an angle of 60° to form the laying strips. Using a trowel measuring at least 10 mm is recommended. We do not recommend spreading mortar over an area larger than the size of the piece so as not to compromise the open time.



4. Perform the *double layer technique by also applying mortar to the back of the piece and lay so that the strips are parallel to the strips along the base. Return the mortar stuck to the trowel to the container, mix **WITHOUT ADDING WATER** and use again.



5. Place the piece 5 cm before the final position and drag it to the desired position, press with your hands and tap gently with a rubber hammer, pressing the pieces evenly over the mortar strips.



6. Lay the coating only on the strips of wet, sticky mortar. When laying, remove some pieces and check whether the back has at least 90% covering/filling, as required in the manual. The more bonded mortar, the better the adhesion.



7. Clean the joints after laying the pieces, removing excess mortar to facilitate grouting. Protect the area from the sun, rain and wind for 72 hours. After this period, grouting can be performed.



8. For grouting, use Portobello grout.



9. For final construction site cleaning, 7 days after grouting, use PortoKoll® CleanMax Multi-Floor Cleaner.



10. After final cleaning, wait for the grout to dry completely and apply PortoKoll® CleanMax Sealer to protect the surface against moisture, small mold stains, oil and dirt, if the chosen grout is cementitious.