

SPECIAL MORTAR FOR SWIMMING POOLS

PRODUCT DESCRIPTION

The **Special Bonding Mortar for Swimming Pools** is a gray-colored product with the proprietary Acqua Protect technology, providing additional protection in wet areas, such as swimming pools and water mirrors. It is formulated based on Portland cement, processed salt-free sand with granulometry and special additives that give chemical products high performance adhesion and resistance.

This industrial product is classified as AC-III, according to ABNT NBR 14081-1.

INDICATION

This product is especially designed for:

- Conventional ceramic and porcelain tiles (over 7 mm) up to 100x100 cm;
- All types of glass tiles;
- Floors and walls of indoor and outdoor environments;
- Heated or unheated residential and commercial swimming pools;
- Dry and wet saunas;
- Water mirrors.

COMPOSITION

It is formulated based on select sand, Gray Portland Cement and special chemical additives.

LIMITATIONS

This product should not be used:

- On unsteady bases with cracks, hollow sound, displacements, etc.;
- For the technical purpose of waterproofing and on refractory material;
- On a very wet subfloor or plaster, wait for the base to dry before starting the application;
- On bases at temperatures below 0°C and above 40°C;
- On clear natural stones and transparent glass tiles, as they can damage the laying aesthetics;
- On barbecue grills, fireplaces, greenhouses and refrigerators;
- On butyl or bituminous membranes;
- On wood, parquet, vinyl, metal, fiberglass, particle board, paint and cement board bases;
- For overlapped laying;
- After 2 hours and 30 minutes of mixing.

CONSUMPTION

Coating format (cm ²)	Format of trowel notches (mm)	Approximate consumption (kg/m ²)	
		Single layer	*Double layer
Smaller than 400	6x6x6	4 to 5	5 to 6
Greater than or equal to 400	8x8x8	5 to 6	6 to 8
	10x10x10	6 to 8	8 to 10

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

RELEASE FOR TRAFFIC

Construction personnel to perform grouting, carefully	72 hours after laying
For filling and clearing for use	7 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 indicated on the packaging.

BASE PREPARATION

- Details about the coating design should be discussed with the planner.
- The coating should only be laid after 14 days of base (subfloor) curing, as indicated by the Standards: NBR 7200, NBR 13753, NBR 13754, NBR 13755.
- 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.
- Flatness, waterproofing, cracking and resistance problems must be corrected 72 hours before laying.
- Base absorption must be evaluated before laying the mortar 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.
- In the case of on-site molded pools, the release agent residues must be removed from concrete formwork
- Protect friction-sensitive surfaces (aluminum parts, special metal inserts and embossed details) with adhesive tape, as they can get stained and scratched during mortar application.

PRODUCT PREPARATION AND 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. Work with the product protected from sun, wind and rain, so as not to interfere with the mortar setting time. **DO NOT ADD ANY COMPONENT OTHER THAN WATER.**

Add 4.6 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.



4. When the *double layer technique is needed, also apply mortar on the back of the piece and lay so that the strips are parallel to the strips on the base. Return the mortar stuck to the trowel to the container, mix **WITHOUT ADDING WATER** and use again.



5. Place the piece just before its final position and drag it to the desired position, press with your hands and tap all over the piece with a rubber hammer to compress the mortar strips.



6. Lay the coating only on the strips of wet, sticky mortar. When laying, remove some recently placed pieces and check whether the back of the piece is covered with mortar. 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.