

MORTERO ADHESIVO PORCELANATO MPI 720

Tile & Stone Adhesive Mortar

535-39720-720

DESCRIPTION

El MORTERO ADHESIVO PORCELANATO MPI 720 is a ready-mix mortar specially formulated for placement of low absorption floors and wall tiles, such as porcelain or natural stones. It has selected inert cements and specific additives to improve adhesion. Complies with ANSI A 118.4

USE

El MORTERO ADHESIVO PORCELANATO MPI 720 is recommended for placement of floors and low absorption tiles (less than 3%) especially granite and porcelain, on traditional or premixed cementitious plaster, over site cast absorbent or precast concrete duly plastered, either in internal or external areas. It can also be used for reflooring, “floor over floor” style.

PROPERTIES

PHYSICAL PROPERTIES	DATA
Powder density (kg/L)	1.3
Hardened density (Kg/lit)	1.6
Mixture pH	11.5
Maximum particle size	0.7mm
Initial setting time (25°C and 50% RH)	1 hour
Resetting time (@ 25°C and 50% RH)	40 minutes
ANSI Standard A 118.4	MEETS
Adhesion @ 7 days - wet ($\geq 10.5 \text{ kg/cm}^2$)	14 - 18
Adhesion @ 7 days - dry ($\geq 14 \text{ kg/cm}^2$)	18 - 25
Adherence 28 days ($\geq 14 \text{ kg/cm}^2$)	18 - 25
Compressive strength at 28 days ($\geq 175 \text{ kg/cm}^2$)	175 - 182

(*) Warning: The actual yield of a mortar is subject to several variables present in the field, such as applicators’ expertise, tools used, walls plumb, coarseness and absorption of the surfaces and others, items hard to assess once the work is over. Therefore, SUR Quimica guarantees the performance of this product in adhesion and strength when applied following the instructions described for the appropriate surfaces but makes no promise of a specific yield and will not receive any claim related to different

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities’ suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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yields obtained in a job. Actual yield you get in your work can be very different from the ones mentioned here, which were obtained in controlled conditions in the laboratory and are included only as a reference.

CONTAINERS and COLORS

AVAILABLE COLORS	AVAILABLE COLORS
20-kilo bag	Grey 720
5-kilo bag	

SURFACE PREPARATION

CONDITION	INSTRUCTION
Site cast Concrete	<p>Make sure the surface is properly level, stable, clean and dry, free of dust, oil, grease, release agent residues or other contaminants.</p> <p>It also cannot be used directly on wood, metal, rubber, linoleum, expansive materials (polystyrene, polyurethane, or cellular concrete).</p> <p>On surfaces of polished or brushed concrete, terrazzo or similar, an adequate anchor pattern must be opened by mechanical means, to leave a rough surface. You can also use our Limpiador de Ladrillo y Fachaleta (00308-900) to open the pore.</p> <p>Pre-testing is suggested.</p>
Masonry	<p>Every masonry surface must be plastered with our Mortero para Repello (plaster mortar) MPR 130 M to a minimum 6mm thick, and this plaster should have its full setting time.</p> <p>Make sure the plaster is well adhered, solid, and stable before placing the tiles.</p> <p>If there are loose, dusting, or poorly adhered concrete, contact our Construction Technical Service department.</p>
Cracks wider than 3mm	<p>A V-shape, 1.5cm depth cut should be made, and the area should be dry dusted.</p> <p>Any piece or section loose or not well adhered must be removed, as well as any particle (such as oil, release agent or paint) that can impair a perfect adhesion of the products to be applied.</p>

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Prime with ETIBOND CONCRET 550 (23550-720/23551-900) and fill the cut with our MORTERO DE REPARACIÓN MR 520 (39520-720) (repair mortar).

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTION
Product: 535-39720-720, MORTERO ADHESIVO PORCELANATO MPI 720	5.5 – 6 liter of water per 20-kilo bag	Put mortar in a clean container, add water and mix by hand or low-rev power mixer until you get a uniform, lump-free mixture. Let it slake for about 5 minutes and mix it again briefly before applying.

PRODUCT APPLICATION

APPLICATION TOOL

Masonry trowel Toothed Trowel Smooth Trowel

Yield (*)

Theoretical yield (*) for the mixture of 6 Liter of water/20kilo bag	1. With 6mm toothed trowel: 4.2 m ² per 20 kg bag. 2. With 10mm toothed trowel: 2.5 m ² 3. With 20mm toothed trowel: 1.25 m ²
Approximate practical yield (*) for the mixture of 6 Liter of water/20kilo bag	1. With 6mm toothed trowel: 3.3 m ² per 20 kg bag. 2. With 10mm toothed trowel: 1.8 m ² 3. With 20mm toothed trowel: 1 m ²

Application conditions

Surface Temperature	Surface temperature should be between 5°C and 30°C.
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Number of layers and thickness

Maximum recommended thickness	8mm
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Curing Time

Does not require

Application Instructions

Spread the product with a smooth trowel and then comb it in a linear way with a toothed trowel.

Size of teeth will depend on the dimension of the tile to place (maximum tooth size: 20 mm).

Place the tiles leaving a gap of some two millimeters between them.

Gently tap the tiles with a rubber mallet, to get the best contact surface between the piece, the adhesive mixture, and the substrate.

No air should be trapped under the tile.

During application, take care that a superficial "cream" does not form on the mixture; if this happens, the mixture should be stirred and if necessary, replaced.

Final Instructions

Wait at least 24 hours before grouting the floor

Notas

This mortar has not been designed for floor leveling

NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
Container must be kept out of reach of children, tightly closed in a ventilated place,
- ✓ This mortar has not been designed for floor leveling.

HEALTH

- ✓ This is a professional/industrial product and it should be applied by properly trained personnel, wearing appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose

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