

TECHNICAL INFORMATION

MORTERO IMPERMEABILIZANTE MI 560

535-39560-720



DESCRIPTION

MORTERO IMPERMEABILIZANTE MI 560 is a waterproofing mortar formulated to prevent leakage of water under pressure and capillary moisture into concrete structures, as its waterproofing action is effective with both positive and negative water pressure. It is a premix based on inert hydraulic silica binders and special additives.

USE:

Ideal for use in drinking water tanks. It can be used to waterproof reinforced concrete, solid concrete, prefabricated or buried structures. It is effective in structures intended to contain drinking or wastewater, pools, wells, aqueducts, water canals, as well as to waterproof basements, elevator pits and foundation plates. It is also excellent for stopping moisture problems due to capillarity.

STRUCTURE	Walls, pools, wastewater or drinking water tanks
Indoor/Outdoor	Exterior, Interior
SURFACE	Concrete
Line	Domestic Line, Industrial/Professional Line

PROPERTIES

PHYSICAL PROPERTIES	DATA
Practical yield	7 – 8 m ² / 20 kg bag, at 1.5 mm thick.
Hardened specific gravity (kg/m ³)	1700 kg/m ³
Adherence at 28 days EN 1015/12 – (kg/cm ²)	18 kg/cm ²
Compressive strength at 28 days kg/cm ² (ASTM C-109)	198 kg/cm ²
Maximum aggregate grain size	0.6 mm.

Definition of theoretical yield: Maximum surface that can be covered with a paint in ideal conditions. Practical yield varies depending on type of surface, tool used, applicator experience, and other factors. 1 mil = one-thousandth of an inch (0.0254 mm).

(*) NOTICE: The actual yield of a mortar depends on many variables present in the work, such as the applicators' expertise, tools used, plumbing, roughness and absorption of the surfaces and many others, which are very difficult to evaluate once the work is done. Therefore, SUR Química guarantees the performance of this product in adhesion and resistance when applied according to the instructions described herein, but makes no promise of yield nor will it receive claims for the yield obtained in a specific job.

These technical data were calculated under controlled laboratory conditions, but SUR QUÍMICA 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 QUÍMICA has made reasonable efforts to ensure the accuracy of the information provided herein, but assumes no liability for any errors, omissions or inaccuracies thereof. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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The actual yield you get on your job site may be very different from those listed here, which were obtained under controlled laboratory conditions and are included for reference only.

CONTAINERS

AVAILABLE CONTAINERS

20 kg bags

SURFACE PREPARATION

CONDITION	INSTRUCTION
CAPILLARY MOISTURE:	To treat capillary moisture on interior or exterior walls, before applying MORTERO IMPERMEABILIZANTE MI560 you should completely remove all loose, powdered or poorly adhered paint or plaster until a solid and consistent surface is found. If loose mortar is found, use MORTERO PARA REPELLO FINO MPR 140 M for a thickness under 4 mm, and for a thickness between 6 to 25 mm, use MORTERO PARA REPELLO GRUESO MPR 130 M.
SURFACE PREPARATION	Clean the surface and ensure it is solid, consistent, free of impurities, release agents, oils, grease, and loose particles. Remove any previously used waterproofing. Before applying this waterproofing mortar, saturate the pores with tap water.
TREATMENT OF CRACKS:	For water tanks, swimming pools and other structures containing pressurized water, cracks must be repaired by making a "V" cut at least 2 cm wide x 2 cm deep, dust clean, prime with ETIBOND CONCRET 550 23550-720 + Comp B 23551-900, then fill in with MORTERO DE REPARACIÓN MR 520 39520-720.
COLD JOINT BETWEEN WALL AND FLOOR	If there is a cold joint at the junction between wall and floor, a hygienic cove of at least 5 cm in diameter must be made. For that, prime with either ETIBOND CONCRET or KER GRIP C as an adhesion promoter, and then the hygienic cove should be made with MORTERO DE REPARACIÓN MR 520.

PRODUCT PREPARATION

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COMPONENT	MIXING RATIOS	MIXING INSTRUCTIONS
Product: 535-39560-720 MORTERO IMPERMEABILIZANTE MI 560	5.5 – 6 L clean water/20 kg bag	Add tap water to mortar in a clean container and mix manually or with a low-rev mixer until a smooth, lump-free mixture is obtained. Allow to slate for about 5 minutes and briefly remix before applying.

Excess water in the mixture affects the quality of the product and compromises the compressive strength of the material. Do not add water after initial mixing.

PRODUCT APPLICATION

APPLICATION TOOLS

Masonry spoon Smooth metal trowel Rubber plate

Application conditions

To apply this product, substrate must be between 5 and 30°C.

Do not apply this product on gypsum surfaces, gypsum boards, or on any other fiber cement board or similar.

Protect this product in its application stage from being directly exposed to the sun, rain, fog or strong winds.

Do not use the product in the hardening stage.

Do not apply to frozen, dusting, unstable or inconsistent surfaces.

It should not be applied to surfaces where water flows freely from leaks, nor to concrete previously treated with another waterproofing or paint.

Application instructions

Before applying this product, moisten the surface with plenty of water.

After preparing the mixture, let it slate for 5 minutes and apply a first layer.

Allow to dry for 24 hours, rewet the surface and apply a second layer with the same tools, but in a cross-coat direction.

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Allow another 24 hours to dry and if necessary, apply a third coat in the same cross-coat direction to the previous layer.

The final thickness must be 3 mm to treat moisture by capillarity (two layers) and 4.5 mm (3 layers) to contain pressurized water such as swimming pools, tanks or retaining walls. The thickness or plaster should be 1.5 mm per layer and the maximum final thickness will be 4.5 mm. Once the last layer is applied, the surface should be water-cured for 3 to 5 days.

Before painting, the percentage of moisture of the substrate must be verified.

NOTICE:

- ✓ Do not apply in full sun, to avoid accelerated drying.
Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat.
- ✓ If you need other information, visit our website at <https://www.gruposur.com/asistencia/>

HEALTH

- ✓ The user of this product may need the appropriate Personal Protective Equipment, as described in the respective Safety Data Sheet (MSDS), available on our website <http://www.gruposur.com>
- ✓ If you need to dispose of empty packages of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.

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