

TECHNICAL INFORMATION

MORTERO DE REPARACION MR520

Repair Mortar

535-39520-720



DESCRIPTION

El MORTERO DE REPARACIÓN MR 520 is a repair mortar based on hydraulic binders, expansive cements, calcareous materials, and special additives that improve its adherence. Ideal to repair or rebuild parts of edifications that have lost an integral part of their concrete structure. It has thixotropic properties (it becomes more fluid when agitated or mixed), controlled shrinkage, fast setting, and excellent compressive strength.

USE

MORTERO DE REPARACIÓN MR 520 is used to repair or rebuild concrete structures, such as beams, columns, balconies, cornices, or slabs. It is also used to pour sanitary coves in water tanks and swimming pools.

It allows to repair damages in traditional plasters, as well as plasters without contraction.

Due to its consistency, it can be placed even without formwork.

PROPERTIES

PHYSICAL PROPERTIES	DATA
Pot life	15 – 20 min
Initial setting time (@ 25°C and 50% RH)	20 – 30 min
Specific gravity hardened (kg/m ³)	1900 kg/m ³
Adherence at 28 days EN 1015/12 – (kg/cm ²)	21 kg/cm ²
Compressive strength at 28 days kg/cm ² (ASTM C-109)	>280 kg/cm ²
Maximum grain size	1 mm

(*) 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 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 laboratory conditions and are included only as a reference.

CONTAINERS and COLORS

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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AVAILABLE CONTAINERS

20-kg bags

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface preparation	<p>Moisten with water before application.</p> <p>Surface must be sound, consistent, and clean.</p> <p>Any section or element not fully adhered must be removed, as well as any particle that does not allow a perfect adhesion of the mortar to the surface (oil, release agent or paints).</p> <p>All rust steel surface, must be previously treated with the CORROSTOP INHIBIDOR DE ÓXIDO 375-013</p>

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 535-39520-720, MORTERO DE REPARACIÓN MR 520	3.5 – 4 liters of tap water / 20-kg bag	<p>Place mortar in a suitable, clean container and pour water in the recommended proportion.</p> <p>Mix by hand or with a low-speed mixer to get a uniform, lump-free mixture.</p> <p>Let this mixture slate for some 5 minutes and remix briefly before applying.</p>

Prepare only the amount of product that you can apply in 10 minutes, mixed with clean water in the indicated proportion.

Excess of water in the mixture impair the quality of the product and the material's compressive strength. Do not add water after initial mix.

PRODUCT APPLICATION

APPLICATION TOOL

Masonry trowel

Putty knife

Smooth trowel

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Application conditions

Surface temperature should be between 5°C and 30°C

This product should not be applied directly exposed to sunrays, rain, fog, or strong winds

Application Instructions

Puede ser aplicado con cuchara de albañil o llana metálica: Si la superficie tiene irregularidades mayores de 5 cm, se debe colocar el material en capas. El acabado se debe hacer en la fase plástica del mortero, con espuma o similar y humedeciendo previamente la superficie. Se obtiene un acabado rugoso similar al de un revoque (repello) y debe ser curado al menos durante 4 días (2 veces al día). Para pintar la superficie se debe esperar preferiblemente los 28 días de fraguado.

If the surface is too irregular, with differences over 5 cm, this mortar should be applied in layers.

While this mortar is still in its plastic phase, it should be moistened and smoothed with a foam or similar tool.

So, a rough finish like a plaster is obtained and should be cured for at least 4 days (twice a day).

To paint it, a 28-day setting period should be observed.

This product should not be applied once it's in its hardening stage

NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Do not apply in layers less than 10mm thick

HEALTH

- ✓ The user of this product may need the 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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