

TECHNICAL INFORMATION

CONCRESUR GRUESO

535-39240-720



DESCRIPTION

CONCRESUR GRUESO is a coarse pre-mixed dry concrete based on hydraulic cement, aggregates of selected granulometry and additives that improve its workability. Its composition produces a high-quality concrete, with excellent compressive strength at 28 days, which exceeds ASTM C387 and INTE C109 standards.

USE

For the construction of concrete elements, such as foundations, subfloors, sidewalks, columns, beams, etc. It is also ideal for all civil works, such as refurbishments, repairs and extensions of masonry buildings.

PROPERTIES

PHYSICAL PROPERTIES

DATA

28-day compressive strength	>23.536 MPa (>240 kg/cm ²)
Pot life	<50 min
Hardened Density	2200 kg/m ³
Approximate theoretical yield	1.8 m ² at 1 cm thick

(* NOTICE: (*) Actual mortar yield is subject to several variables present in the field, such as applicators' expertise, tools used, walls plumb, surface's roughness and absorption and others; items hard to assess once the work has finished. Therefore, SUR Química guarantees the performance of this product in adhesion and strength when applied following the instructions described here for the appropriate surfaces but makes no promise of a specific yield and will not receive any claim related to actual yields obtained in the field. 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

40 kg bags

AVAILABLE COLORS

Grey

SURFACE PREPARATION

CONDITION

INSTRUCTION

Surface Cleaning

Before applying the product, remove any dirt such as dust, grease or other contaminant, as it will affect its performance.

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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Masonry	Wash with water and keep surface fresh before placing mortar. Keep in mind that in very wet or cold areas, this can delay the plaster drying.
Cast-in-Place Concrete	Ensure surface is properly level, stable, clean and dry, free of dust, oil, grease or other contaminants. It should not be applied directly to concrete that has dust, other contaminants or release residues. Nor can it be used directly on wood, metal, rubber, linoleum, expansive materials (polystyrene, polyurethane and cellular concrete). On polished concrete, terrazzo or similar smooth surfaces, an appropriate anchor pattern must be opened by mechanical means, to provide a rough surface profile. You can also use our brick cleaner Limpiador de Ladrillo y Fachaleta (00308-900) to open the pore. Pretesting is suggested.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 535-39240-720 CONCRESUR GRUESO	4 to 4.8 liters of clean water per 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

Smooth metal trowel

Tools

Shovel, masonry spoon and metal trowel

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Application conditions

Properly compact the material to ensure that no voids remain inside that may affect performance. Use appropriate constructive practices.

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

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

Number of layers and thickness

Minimum thickness per coat	1.5 cm
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Curing time

Curing time in days	7 days
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Application instructions

Make sure you have the casting area ready, including its respective reinforcing steel, formwork, guides or screed boards. Once the mixture is ready, pour it into the area, spread the product and level the surface with screed and guides.

If this concrete will be used to create an element inside a formwork, do not drop it from more than 90 cm in height, to avoid the segregation of its components. The same care should be taken if using a concrete vibrator, as if left in the same spot, it can cause separation of aggregates of the mixture.

Do not use this product in its hardening stage.

Final Instructions

Protect from rain, strong sun exposure, and wind the first day after application.

This product requires cure for at least 3 days after application, morning and afternoon.

NOTICE:

- ✓ If you need other information for safe handling of this product, you can visit our website <https://www.gruposur.com/asistencia/>
- ✓ Keep it away from children, stored on pallets, indoors, in a cool, dry place.

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 <https://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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