

## CONCRESUR

535-39220-720

### DESCRIPTION

ConcreSur MC 220 is a ready-mix microconcrete formulated from Portland cement, calcaceous aggregates and specific additives that increase compressive strength at 28 days and improve workability. The maximum aggregate grain size is 3.3 mm.

### USE

Designed for concrete elements that require high strength, it is ideal for use building concrete floors, subfloors and sidewalks, repairs, remodeling and concrete extensions.

### PROPERTIES

PHYSICAL PROPERTIES	DATA
Compressive strength at 28 days kg/cm <sup>2</sup> (ASTM C-109)	> 297 Kg/cm <sup>2</sup>
Compressive strength at 28 days kg/cm <sup>2</sup> (ASTM C-39)	> 248 Kg/cm <sup>2</sup>
Pot life	1 h
Mix pH	12
Approximate theoretical yield	1 m <sup>2</sup> @ 20 mm thick per 40 kg bag
Maximum aggregate grain size	3.3 mm
Hardened density (Kg/ltr)	2

### CONTAINERS AND COLORS

#### AVAILABLE CONTAINERS

40 kg bags

10 kg bags

### SURFACE PREPARATION

CONDITION	INSTRUCTION
Mildew, Mold	Apply SOLUCIÓN FUNGICIDA 334-900 (Antifungal Solution), let on the

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surface for some 20 minutes. Rinse with enough clean water and scrub the area.

#### Surface

To ensure adhesion, withstand pressure and concrete placement, surface should be stable, sound, and rough, clean, free of paint, oil, grease or any other contaminant.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 535-39220-720, CONCRESUR	<b>4.8 – 5 liters of water / 40 kilo bag</b>	Add clean water to mortar in a clean container and mix by hand or with a low-speed mixer until a uniform, lump-free mixture is obtained. Let this mixture slake for about 5 minutes and remix briefly before applying.
Product: 535-39220-720, CONCRESUR	<b>1.2 a 1.25 liter of water / 10 kilo bag</b>	

### PRODUCT APPLICATION

#### Application conditions

Do not apply ConcreSur MC 220 on distorted, unsound concrete surfaces or when suffering from serious cracking or dusting.

It must be cast continuously, preventing it from trapping air.

In massive castings, expansion joints should be considered to reduce the risk of cracking.

For thicknesses of 4 cm and more, use the corresponding reinforcing steel.

For example, in subfloor or mezzanine slabs of this thickness, a #2 wire mesh should be used (as a minimum).

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

Avoid direct exposure of this product to the sun, rain, mist, or strong winds during its application stage.

### DRYING TIMES

Full drying time	7 days
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### Application Instructions

When using this concrete to create an element within a formwork, do not pour the mortar from more than 90 cm high, to avoid the separation of aggregates.

The same care should be taken when using an electric vibrator, since if it is left in the same spot of the casting, it can cause separation of the aggregates from the mix.

Do not use the product in its hardening phase.

### Final Instructions

For painting, wait at least 8 to 10 days after the cast has cured.

This product should be cured for a minimum of 7 days.  
Try to cure outside of hours of extreme heat (above 30°C).

Carry out the curing between the first hours of the morning and the end of the afternoon.

### NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Do not apply in thickness under 20 mm.
- ✓ Do not add more water after the mixture its don, since water excess can cause a loss of this product's properties.

### HEALTH

- ✓ 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
- ✓ 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>

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