

TECHNICAL INFORMATION

MORTERO POLIMÉRICO MULTIPROPÓSITO

Multipurpose Polymer Mortar

505-24450-700



DESCRIPTION

Is a three-part polymer mortar specially designed to protect concrete surfaces that will be in moderate contact with spills or splashes of some chemical products. It's made-up of a solvent-free resin improved with an optimal selection of sands and components to achieve high mechanical and abrasion resistance, so it's a product of high strength and durability.

USE

This multipurpose polymeric mortar is recommended to protect concrete floors in internal areas, repairs walls or floor joints. Ideal for the pharmaceutical, food, dairy, or chemical industries, to build and repair bottling facilities, breweries, storage and loading areas of industrial buildings.

Structure	Slabs / roofs / terraces, Floors
Interior/Exterior	Outdoor, Indoor
Surface	Concrete
Line	Domestic Line, Industrial/Professional Line

PROPERTIES

PHYSICAL PROPERTIES	DATA
Weight per gallon (kg/gal)	4,15 – 4,25
Stormer Krebs Viscosity (Ku)	105 – 110
Touch-Dry (hours)	3 – 4
Pot life	40 – 50
Volume mix ratio	1A – 1B

AVAILABLE CONTAINERS

Component A, 505-24450-700:

- ¼ gallon can (0.946 Lt.)
- 1 gallon can (3.785 Lt.)
- 5-gallon bucket (18.925 Lt.)

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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Component B, 505-24451-900:

- ¼ gallon can (0.946 Lt.)
- 1 gallon can (3.785 Lt.)
- 5-gallon bucket (18.925 Lt.)

Component C, 505-24452-720, Mineral Additive

- 25kg bags

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface Cleaning	Remove any dirt, such as dust, grease, or other contaminants, as they can affect the adhesion or performance of the finish.
Concrete cleaning:	Use a pressure washing with clean water and then give enough drying time. If necessary, it can be cleaned by abrasive means, such as sandblasting or, in extreme cases, scarifying. By any means, you need a thoroughly clean surface with an anchor pattern that allows an optimum adherence of the mortar.
Moisture	Moisture content of the substrate must be less than 4%. The concrete surface on which the mortar will be applied must be sound, and well adhered, free of dust, old paint, and efflorescence, as well as with a minimum of 28 days of setting.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTION
Component A	1 part	Prepare two separate mixtures: a) A Priming mix. b) An Application Mix
Component B: 505-24451-900, Component B MORTERO POLIMÉRICO	1 part	See detailed instructions for each mixture below

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Componente C: 505-24452-720, Aditivo 12 part

Just for the application mix

Mineral (Componente C) MORTERO
POLIMÉRICO

A: For the Priming Mix: Shake well the containers of Component A, 505-24450-700 and Component B, 24451-900 well.

Mix both components in equal parts (mix ratio 1:1 by volume).

Mix both components with a low-speed mixer to obtain a uniform compound.

B: For the Application Mix: Shake well both containers, Component A, and Component B, and mix in the same manner as for the Priming Mix.

Next, manually add 6 parts Component C, 505-24452-001 to 1 part of the Component A + B mixture (6:1 mix ratio by volume) while continuing to mix at low revolutions.

PRODUCT APPLICATION

Application instructions

Priming: To prime the surface, apply a thin coat of the Priming Mix, prepared as indicated above.

Immediately, while that priming mix is still tacky, apply the Application Mix, also prepared as indicated above.

Once this mortar has been applied, spread it with a float or rake, then compact it and finish it using a wooden or stainless-steel trowel.

The applied thickness should be from 5mm to 10mm, as required by the workload to which the surface will be subjected.

As with any concrete floor, expansion joints must be made every 6 meters or use those already existing, filling them with an appropriate sealant (PEGA FLEX U350-23350).

NOTICE

- ✓ Do not use on mortars that are in constant immersion (swimming pools, tanks, retaining walls, etc.).
- ✓ If you need other information, visit our website <https://www.gruposur.com/asistencia/>
- ✓ Do not use this product where it will be exposed to strong acids, oxidizing agents or in environments subject to large temperature differences.
- ✓ Store the product in its original container between 20°C and 30°C in a dry and ventilated place, out of the reach of children.

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- ✓ It should not be applied on wet surfaces that are evaporating.
 - ✓ Vibration, concentrated loads, and heavy steel wheel traffic should be avoided.

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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