

MORTERO TERRAZO IN SITU

535-39625-820

**DESCRIPTION**

MORTERO TERRAZO IN SITU is a decorative cementitious ready-mix of high resistance to pedestrian traffic, indoors or outdoors. It has a high aesthetic and decorative value, recreating the design of a terrazzo floor through polishing and buffing process until obtaining the desired finish. It has high compressive strength and is easy to install. Its varied grain size and chromatic gloss allows combinations to produce various design schemes.

**USE**

Use only on concrete floors or sidewalks to achieve a completely smooth surface, with very low liquid absorption and high light reflection, which allows to reduce the consumption of artificial light and maximizes natural light.

<b>Structure</b>	Floors
<b>Interior/Exterior</b>	Indoor/Outdoor
<b>Surface</b>	Concrete
<b>Line</b>	Domestic Line

**PROPERTIES**

PHYSICAL PROPERTIES	DATA
Maximum grain size	4 mm
Hardened density (Kg/lit)	2.0
Approximate theoretical yield	1.20m <sup>2</sup> @ 10mm thickness per 40kg bag
Dust density (kg/L)	1.7
Adherence at 28 days EN 1015/12 - (kg/cm <sup>2</sup> )	21.0
Compressive strength at 28 days, kg/cm <sup>2</sup> (ASTM C-109)	200
Pot life	1 h

(\* 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.

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.



**CONTAINERS and COLORS**

**AVAILABLE CONTAINERS**

40-kg bags

**AVAILABLE COLORS**

39625- 820,  
39625- 825 and  
39625- 829

**SURFACE PREPARATION**

**CONDITION**

**INSTRUCTION**

**Concrete Leveling:** Repair with Mortero de Nivelación (535-39820-720) (floor topping): Before placing a floor or leveling mortar over an old concrete surface, properly wash off any dust or debris and repair any cracks. Then apply an adhesion promoter, such as Ker Grip C (535-39715-028) or Etibond Concrete 570 (505-23570-720).

**Surface Cleaning** Before applying, remove any dirt, such as dust, grease, or other contaminants.

**Confining elements** Once the surface is ready, create a confining and leveled formwork, with the appropriate screed guides before concrete casting.

**Contraction joints** Contraction-expansion joints must be built, spaced according to the concrete design, in both directions.

**New, site cast concrete** All concrete must be cast on a strong and properly compacted base. Reinforce with electro-welded steel mesh to withstand temperature stress. This mesh must be at least at 2/3 of the height of the total slab thickness. Place a formwork, studs, and guides before concrete cast. To apply it on surfaces 28 days after the concrete screed or slab has been cast, start by applying a coat of epoxy adhesion promoter Etibond Concret (codes 23550-720/23551-900) and, fresh on fresh, apply MORTERO TERRAZO IN SITU.

**Application in slabs** Before casting the mortar, a level and homogeneous concrete slab must be available. To use this product on a new concrete surface, cast TERRAZO IN SITU MORTAR directly, using the fresh-on-fresh method, making sure that new concrete is no more than 24 hours old.

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<b>Substrate Repair</b>	Repair any unsound, loose, or badly cracked substrate with Mortero de Reparación MR 520 (535-39520-720) and Etibond Concret 550 (505-23550-720).
<b>Fungi</b>	Clean surface with Solución Fungicida (334-900). On surfaces with paints, waxes, or highly adherent contaminants, it is necessary to sand, scarify, grind or to use any hand or power tool to remove the existing coatings and a suitable anchoring pattern is obtained.
<b>Wet floors</b>	In wet floors clean thoroughly the surface, apply Floor Primer 505-38400-920, let dry 24 hours and then apply Mortero Terrazo In Situ 535-39625-820.
<b>Joints in concrete slab</b>	When pouring Mortero Terrazo In Situ 535-39625-820 respect existing or marked joints. Then, after polishing the floor, seal them with Fast Fill 250 505-26250-920
<b>Floor Bonding tie-coat</b>	New concrete floor (recently cast) shouldt be cured at least 3 days before and wait 4 more days. In old floors clean the surface. Always use Etibond Concrete 550 (505-23550-720) or Etibond Concrete 570 (505-23550-720) as a bonding bridge before placing this product.
<b>Fissures, Cracks</b>	Remove any residue of grease, paint, or other contaminants from the surface with hand or power tools, sandblasting, pressure washer or scarifying to obtain a suitable anchoring pattern. Finally, dry clean with a brush or cloth, removing any residue of dust or residue. Cracks (up to 20 mm): Use ETIBOND CONCRET 550, and immediately, "fresh on fresh" apply Mortero de Reparación MR-520. Let that mortar cure and dry for at least 15 days before applying the finish.

**PRODUCT PREPARATION**

COMPONENT	MIXING RATIO	MIXING INSTRUCTION
Product: 535-39625-820, TERRAZO IN SITU	MORTERO 9 – 10 liter of water per 40-kg bag	

**APPLICATION TOOL**

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Polished with #100 Rubber trowel Polished with #400 Polished with #150 Polished with #200  
 grit stone grit resin disc grit stone grit stone

**Application conditions**

Mean thickness should be from 10mm to 12mm.

**Application Instructions**

Mortero Terrazo In Situ must be mixed until a pasty, homogeneous consistency is obtained. Always dose the product in the same proportion, since any variation in the amount of water will alter its tone or final finish.  
 Pour over the surface to a maximum height of 80 cm, then level.  
 Later, polishing is carried out with a power polisher equipped with diamond discs:  
 In the first phase, it is abraded with a #50 grit, then #100 and #200. Continue with a #400 grit and then proceed to densify with Durosil A.  
 Once solid (24 hours later), polishing continues with abrasive disc in #800, 1500, 3000 or according to the desired gloss.

**Final Instructions**

If additional protection is required, apply Durosil Top Finish polish.  
 Protect the application from strong solar rays, placing screens or plastic sheets if needed, since direct solar rays can cause the product to shrink.  
 Substrate temperature range is 5 to 30°C. It should not be applied in lower or higher temperatures.  
 Do not apply on floors that will be immersed.  
 Wait at least 24 hours before allowing light traffic on the floor.  
 Wait for the complete 28-day curing time before opening to normal traffic.

**NOTICE**

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ When applying this product, consult our Technical Service to comply with ACI 302 standards on joints distance, frequency, wide and depth.

**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>

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- ✓ 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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