

Granito Floor

CT – C35 – F7 - A9 in compliance with EN 13813
High Performance, Polishable, Cement Based,
Self Leveling Topping



CE TS EN 13813

Product Description GRANITO FLOOR is special leveling compound with high performance for abrasion resistant flooring.

Areas of Usage

- Shows high performance indoors and outdoors with GRANITO CILA,
- In hospitals, shopping centers, schools, offices, showrooms, rest rooms and areas where rubber-wheeled vehicles are in use
- For levelling and smoothing new or existing concrete, marble, and ceramic substrates,
- Over old polished or stamped concrete surfaces with GRANITO ASTAR
- Abrasion-resistant floors on concrete, old terrazzo, ceramic tiles and natural stones.
- Terrazzo, inside homes, offices, shops, museums, theatres and exhibition halls when used in combination with natural aggregates.

Features and Benefits

- Special hydraulic binders based, self-levelling and quick drying properties.
- Durable for furniture and wheelchairs load resistances.
- No cracking obtains for the very thin layers applications.
- Create flooring with an exclusive, original finish which is quick and easy to install
- Moreover, it has excellent adhesion to the layer.
- High level of compressive and flexural strength,
- Bonds perfectly to the substrate and thanks to its special composition,
- Dries quickly so that any further finishing coat may be applied after a very short time.
- Around 1 day after application, GRANITO FLOOR can be dry-polished using diamond grinding disks to get a shiny, reflective or similar finish on natural stone.

Application Instructions

The surface should be sound, free of dust, dry, clean and strong enough to support the weight. Any oil, grease, rust, gypsum, wax, paint residues, loose particles on the surface should be removed. The joints, cracks etc. should be repaired prior to the application.

Apply special compressible band around the perimeter of the rooms to be laid and around any vertical elements which pass through the floor (such as pillars and columns).

Concrete and/or ceramic or natural stone surfaces must be prepared by shot-blasting or milling and primed with GRANITO ASTAR and, where required, reinforced with Glass fiber mesh. After application, leave GRANITO ASTAR to dry for 2 – 3 hours, according to the surrounding temperature.

Mixing: Pour the content of a 20 kg bag of GRANITO FLOOR into a container with 5,5 to 6,0 liter of clean water and continue mixing with a low-speed electric mixer until a smooth, flowable, lump-free mix is formed (at least 3 minutes). Let it stand for 2 – 3 minutes and before applying, remix the blend for a few minutes (at least 3 minutes). Only prepare the amount of GRANITO FLOOR which will be applied within 15 minutes at a temperature of +23°C. The pot life of the mix varies according to the temperature and reduces as the temperature increases. If GRANITO FLOOR is to be applied on medium to large-sized surfaces, larger quantities may be prepared using a vertical-shaft mixer. If it is mixed using mechanical means, the amount of water required is the same as when mixing by hand. Mix the product until the blend is completely homogenous before laying.

Application Method: Spread GRANITO FLOOR by hand or with a mechanical means in a single layer of 3 to 10 mm and a smoother for a natural finish. Make sure that the material is cast in a regular, continuous flow without interruptions, to avoid defects in flatness and particularly visible differences in color. Thanks to its self-levelling properties, GRANITO FLOOR eliminates all imperfections left by the smoother.

When applying the product, respect the expansion joints in the substrate and form distribution joints at least every 50 m². Seal joints with TEKNOPOLİDERZ 1K single component, thixotropic polyurethane sealant and adhesive with a low modulus of elasticity for sealing expansion and distribution joints.

Dry-polishing with a diamond-tipped grinder may be carried out 1 day after applying the mix. The surface obtained will be completely smooth and shiny, which reflects light, very similar to natural stone such as granite.

Complete the polishing operations using the remaining tools and then finish off the surface by applying GRANITO CİLA

Application Notes / Restrictions

- Do not add more water to the mix once GRANITO FLOOR starts to set.
- Do not add lime, cement, gypsum or other binders to the GRANITO FLOOR mix.
- Do not spread GRANITO FLOOR on unprimed surfaces.
- Do not use GRANITO FLOOR on substrates which are subject to rising damp (consult the TEKNO YAPI Technical Services Department).
- Do not use GRANITO FLOOR for floating screeds. GRANITO FLOOR must always be fixed to a solid, compact substrate.
- Do not use GRANITO FLOOR on wet surfaces.
- Do not use GRANITO FLOOR on metallic surfaces.
- Do not use GRANITO FLOOR at temperatures lower than +10°C or higher than +35°C.
- The colors of floors made using GRANITO FLOOR are not always uniform, a typical feature of cement-based products. Apart from the inherent nature of this kind of product, differences in the various colors may also be caused by the way the product is applied. Also, it must be cast continuously without long pauses, in order to guarantee perfect flatness.

Technical Data

| Performance Properties | |
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| Color | White, Greige, Anthracite & Light/Dark Gray |
| Physical State | Powder |
| Packaging | 20 kg craft bag |
| Application Information | |
| Application Temperature | +5°C to +35°C |
| Mixing ratio of water | 5,5 – 6,0 lt per bag |
| Usable Time | ~20 min. |
| Setting Time | ~60 min. |
| Application Thickness | 3 – 10 mm |
| Priming | Granito Astar |
| Consumption | 1,60 – 1,80 kg/m ² (per 1 mm thickness) |
| Commissioning Time | 4 hours (walking on the surface) 24 hours (open to pedestrian traffic) 48 hours (open to vehicle traffic) |
| Performance Information | |
| Compression Strength (EN 12190) | ≥ 25 N/mm ² |
| Bending Strength (EN 12190) | ≥ 5 N/mm ² |
| Böhme Abrasion Resistance (TS EN 13813) | ≤ 90 cm ³ / 50 cm ² – A9 |
| Adhesion to Concrete | ≥ 1,5 N/mm ² (28 day) |
| Abrasion Resistance Taber Abrasion Test | ≤ 0,20 gr (H22 disk - 1000 gr - 100 rev) |
| Temperature Resistance | (– 30°C) to (+80°C) |
| Shelf Life | 6 Months (unopened bag, dry place) |
| Reaction to Fire | A1 |

Values are obtained in +23°C and %50 relative humidity conditions. Higher temperatures decrease the time, lower temperatures increase the time

