

Pantera Self-Leveling Micro Concrete 0-6cm

Self-leveling mortar for floor screeding

Cement, quartz sand, fibers, mineral additives.



Product

- 0-6 cm Thicknesses
- Quick commissioning
- Indoors
- Ideal to be coated

Observations

*Not apply:

- Over concretes or mortars with no guarantee.
- In outdoors floors.
- Over humid floors subject to continuous humidity rising.
- Over fragile or unstable floors
- Over lime base mortars (calcium sulfate).
- With direct sun light or with air streams.

Characteristics

- Kneading time: 2-3 minutes
- Let stand for: 2 minutes
- Open time: 25-30 minutes
- Start of setting: ± 45 minutes
- Dried to touch: 4-5 hours
- Passable (pedestrian): > 8 hours
- It can be coated with micro cement, epoxy to water, self-leveling, tiling, carpet, parquet, solvent based resins: <4% humidity

** These times are contemplated to 20°C, and they can oscillate considerably depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 21 %
- Bending resistance (28 days): ≥ 4 N/mm²
- Compression resistance (28 days): ≥ 50 N/mm²
- Abrasion wear: ≤ 19 mm
- Adherence over concrete: ≥ 1 N/mm²
- Impact resistance, UNE-EN 12633;
 - ** Height of fall: >1500 mm
 - ** Value IR: IR=14,7 N·m
- Adherence over ceramic support: $\geq 0,9$ N/mm²
- Behavior against fire: A1 euroclass
- Designation: EN 13813: CT- C50- F4- A19

*** These results are from standard essays with 12 mm thickness, and they can oscillate depending on the workplace conditions.*

Enforcements

Self-leveling mortar for repair, leveling, and screeding of floors in new construction or renovation.
Suitable for underfloor heating systems from 30mm thickness.
Suitable to be covered with ceramic, terrazzo, PVC, linoleum, vinyl, carpet, parquet, wood, or microcement.
For direct bonding of parquet on this surface, it is recommended to use screed consolidators or primers to improve adhesion on a dry, clean surface, free of stains and dirt. Ideally, the use of two-component epoxy polyurethane adhesives, polyurethane-based adhesives, MS Polymer adhesives, or their Hybrid Adhesive versions is recommended, with prior adhesion tests advised before installation.
Suitable as a self-supporting floating screed over plastic or anti-impact sheet from 3cm thickness.
Suitable as a self-supporting floating screed over rock wool from 40mm thickness

Supports

- Mortars and concretes, anhydrite, with high compression resistance >25 N/mm².
- Over wet supports <4%.

Thicknesses

Advisable: 0 to 6 cm

Recommendations

Application temperatures 10°C to 30°C.
Respect always the same water percentage in the kneading.
The water percentage can oscillate depending on the used mixer.
Do not add any additive to the mortar.
Respect the minimum required thicknesses depending on the support's kind.
Respect, perimeter joint (min. 5 mm), expansion joint and division joint.
Do not apply with direct sun light and with air stream

Execution conditions

Support has to be solid and hard, dry and without dust, degraded areas, paintings, waxes and oils, oxides, plaster remains...
Do not apply on cracked, degraded concrete or with the possibility of movement ...
On supports without absorption (marble, granite ...), milling, vacuuming, and applying the **Pavex Primer System**.
In all cases, on new concrete (set > 28 days) or old and compression > 25 N / mm², milling of concrete, until the aggregate appears and apply the **Pavex Primer System**.
On weak cementitious bases and without guarantees, milling until the aggregate appears, aspirate and reinforce with **Silicate** hardener until the desired hardness is achieved.
Respect the expansion joints, working joints with a cutting or a profile placement.
Compulsories avoid the direct sunlight and air streams, during the application and 72 hours after.

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Self-leveling mortar
for floor screeding

Usage way

- Kneading and transport with pumping: 20-24% clean water.
- Manual kneading: 1 bag of 25 kg with 5,00-6,25 liters of water, until a homogeneous, lump-free mixture is obtained. Allow to rest and remix. Let stand and knead.

If necessary, use the spiked roll to eliminate the occluded air in the mass obtaining therefore a better leveling.

** If required, after the drying process, takes place a sanding and vacuuming process to erase possible grouts and guarantee the final coating adherence.*

*** Always perform a previous test with the percentage of water to be used after production.*

Associated products

- *Pavex Primer System
- *Silicate
- *Paviseal 300 (quick primer)
- *Micro cement

****Suitable adhesive mortar;**
Cemcol C2TE-S1
Cemcol C2TE
Cemcol C2TE-S2



Packaging

25 kg sack
1200 kg pallet (48 bags)

Colors

Grey

Consumption

14 kg/m² and cm thickness

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.