



Description

Self leveling flooring compound, smoothing the differences in thicknesses from 2.5 to 10 mm on new and existing interior floors where a high resistance to loads and traffic is required.

Fields of Application

- Leveling concrete slabs and cementitious screeds.
- Under wood, laminate parquet, carpet, PVC, linoleum and ceramic flooring.
- For floors subject to high loads and heavy traffic like depots against dusting and abrasion.

Properties

- Perfectly self leveling.
- High adhesion strength.
- Can be spread in thicknesses up to 10 mm per coat without shrinkage, cracking or crazing.
- Develops very high compressive and flexural strength.
- Resistant to abrasion.

Preparation of Substrates

- The substrate must be solid, dry, free of dust, loose parts, paint, wax, oils, rust and traces of gypsum.
- The substrates to be coated should be free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Use Tamirart series repairing mortars in case of any loose and uneven substrates to get a sound and flat surface.
- Dusty and very porous concrete surfaces must be treated with Kalekim Astar (Primer) or B-Tone.
- Polystyrene foam should be placed to separate the self leveling screed from walls or other structural elements, to avoid the risk of cracking during drying of the screed due to expansion.
- In order to prevent leveling difference at large areas, application should be done by determining maximum 3x3 meter sized areas.
- Application thickness should be determined according to the surface smoothness and porosity.
- Gage rods should be used at large areas or if the surface deformity is high.



Application

- Pour Master 10 slowly on the amount of clean water specified in the technical table and mix to obtain a homogeneous self leveling lump free mix. A low speed mixer is recommended to mix.
- Allow the paste to stand for 2 - 3 minutes to mature. After remixing, it is ready for application.
- Pour out the mixture onto the surface and distribute evenly with a smoothing trowel or screeding rake. Where possible, spread to the desired thickness in one application. Flow and surface quality can be improved by removing air from the fresh compound using a spike roller.

Post-Application Protection & Suggestions

- The product should be used within 20 minutes. Weather conditions such as high temperature, low humidity, and wind may shorten this period.
- Do not add any additive which is not mentioned in the instructions for the application.
- Dispose mortars of which pot life is expired.
- The floor should be protected from wind and direct sunlight during application.
- Master 10 will be ready for application of resilient, carpet, and laminated parquet, PVC, ceramic and wood floor coverings after 24 hours at 23°C (time can vary depending on the thickness of the leveling, the room temperature and humidity).
- Fresh surfaces should be protected from direct sunlight, strong air stream, high air temperature (above +35°C), rain and frost.
- Hands and equipment used should be washed well after application.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- Since it contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Maximum 3 pallets should be stacked on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 25 kg multi-ply paper bags.



Certificates of Quality

EN 13813, Class C20-F4-A22



4201 Master 10

Technical Properties

(at 23 °C and 50% RH)

General Data

Appearance	Grey powder
Shelf Life	12 months when stored in the original sealed packing in a dry place.

Application Data

Application Temperature Range	(+5°C) - (+35°C)
Mixing Ratio	4.75-5,25 liters water / 25 kg powder
Pot Life	20 minutes
Ready for Use	6 Hours (set to light traffic) 24 hours (waiting time before bonding) 48 hours (complete curing)
Consumption	1.5-1.7 kg/m ² (per 1 mm. thickness)

Performance Data

Compressive Strength (TS EN 13813)	≥ 20 N/mm ² (28 days) – C20
Flexural Strength (TS EN 13813)	≥ 4 N/mm ² (28 days) – F4
Abrasion Resistance (TS EN 13813)	≤ 20 cm ³ /50cm ² – A22
Service Temperature Range	(-30°C) – (+80°C)
Dangerous Substances	See SDS.
Reaction to Fire	A1