

TOPFLOOR[®]

Gypsum Based Ready-Mixed Floor Mortar

DESCRIPTION

Gypsum based self-levelling floor screed which eliminates defects and roughnesses on the surface. Can be applied in 2 - 10 mm thickness.

APPLICATION AREAS

- Indoor and in dry environments
- Residential buildings
- Hospitals
- Education facility buildings
- Shopping malls, stores and markets
- Concrete floors or floors covered with MAXIFLOOR
- Floors with heating systems
- Levelling the surface in 2 - 10 mm thickness before laying ceramics, granites, marble, hardwood, parquet, laminate, epoxy, carpet, PVC and linoleum coverings.

TECHNICAL PROPERTIES

Appearance	White colored fine powder
Powder Density	~ 1.10 kg/L
Dry Bulk Density of Hardened Mortar	1.70 ± 10 kg/L
Water Mixing Rate	~ 6 L water / 25 kg powder
Pot Life	~ 20 minutes
Initial Setting Time	≥ 20 minutes
Final Setting Time	≥ 90 minutes
Walk-on Time	2 hours
Top Coat Time	After fully dried
Application Thickness	2 - 10 mm
Compressive Strength	≥ 25 N/mm ² 28 days C25 (EN 13813)
Flexural Strength	≥ 7 N/mm ² 28 days F7 (EN 13813)
Reaction to Fire	A1 (TS EN 13501-1)
pH	≥ 7
Application Temperature	Between +5°C and +35°C

ADVANTAGES

- Can be applied in 2 - 10 mm thickness
- Can be applied faster and easier than cement based mortars. Does not cause shrinkage cracks
- Has high flexural and compressive strength
- Can be walked on 2 hours after the application
- Economical
- Can be applied with machine
- Can be applied on old cement or gypsum based floors
- Balanced by self-levelling and removes the roughness of under layer
- Once cured, the surface is firm and resistant to abrasion
- Suitable for floors with heating systems
- Less carbon emission compared to cement based mortars, does not require watering after the application.

CONSUMPTION

1.5 - 1.6 kg/m² (for 1 mm thickness)

APPLICATION**PREPARATION OF THE SURFACE**

- Special attention must be given that the application surface is cured.
- The surface must be clear of materials which prevent bonding, such as dust, oil, curing agents, detergents, mold release oils and silicone.
- The surface should be solid, dry, free of cracks, and free of loose and damaged layers. Primer application can be started after increasing adherence with AQUALATEX added cement grout on very worn concrete surfaces.
- The difference of level on the surface should be determined by using tools such as hose scales and level.
- In applications on concrete, be sure to prime the surface with MONOPRIMER Floor Primer in order to reduce the absorbency of the surface. No primer is required for applications over MAXIFLOOR.

PREPARATION OF THE MORTAR

- 25 kg TOPFLOOR Gypsum Based Self Leveling Screed slowly poured into approximately 6 liters of clean water by sprinkling, preferably mixed with a low-speed mixer until there is no lump.
- The prepared mortar is left to mature for 1 - 2 minutes and is used by mixing again for 1 minute.
- The mixture in the pot should be consumed within about 20 minutes.

APPLICATION

- Following the priming of the surface, TOPFLOOR application can start at least 30 minutes later, depending on the weather conditions.
- Pour the prepared fluid mortar onto the surface. In order to facilitate the spreading process, make some corrections with a steel trowel and adjust the thickness. During application, use a spiked roller and spiked shoes so that no air bubbles remain in the product.
- Uninterrupted application is required to prevent cold joints in applications in large areas. For this reason, in order to ensure the continuity of the pouring process, the material should be prepared in more than one bucket and the application should be completed by pouring it on the floor one after another.
- When applying with a machine, the water level should be kept under control. Using more water than required causes a decrease in strength.
- Dilatation joints in the structure must be taken into consideration.

CAUTION

- Avoid application at temperatures below + 5 ° C and above + 35 ° C.
- Avoid application in frozen areas, where there is a risk of freezing within 24 hours or in areas open to direct sun and wind.
- Do not add water and powder to the expired mortar
- Prevent quick drying of the material
- Wait 2 hours after the application to walk on it.
- Make sure that it is completely dry for coating. Do not cover before it is dry. This period may vary depending on climatic conditions.
- After the application, there is no need for irrigation or moisturizing.
- It is not applied in outdoor areas, industrial areas or loose floors.

- Not applicable on damp, moist or wet floors.
- In floor heating systems, the heating system must be turned off 24 hours before the application and turned on 72 hours after the application.
- Cannot be used as finishing material. It should be covered.
- When coating with a cement-based product, the surface on which TOPFLOOR is applied must be primed with a suitable primer and waited for approximately 2 hours

PACKAGING

25 kg kraft bags

SHELF LIFE

It can be stored for 6 months on the pallet in a 10-fold stacked in a dry and unopened package. Product properties may be adversely affected if stored in unsuitable environments.

HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storage. During the application, work wears, protective gloves and goggles should be used according to the work place health regulations. If swallowed by accident, consult a doctor. Swill in case of contact with skin. Do not leave the package open. Keep out of reach of children.

* Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease while lower temperatures increase these durations.