

Floor Systems / Gypsum Based Screeds**TOPFLOOR[®]**

Gypsum Based Self-Levelling Floor Mortar (2 – 10 mm)

DESCRIPTION

Gypsum (calcium sulphate) based self-levelling **floor mortar** applied 2 – 10 mm, used for the purpose of eliminating and correcting surface defects on slab concrete.

APPLICATION AREAS

- Indoor and in dry environments
- Residential buildings
- Hospitals
- Education facilities
- Shopping malls, stores and markets
- Concrete floors or floors covered with MAXIFLOOR,
- Floors with heating systems
- Levelling the surface in 2 - 10 mm 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 Ratio	~ 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

- Applied in 2 - 10 mm thickness
- Can be applied faster and easier than mortars with cement. Does not cause shrinkage cracks.
- Has high flexural and compressive strength.
- Can be walked on 2 hours after the application.
- Can be applied with machine
- Can be applied on old cement or gypsum based floors.
- Balanced by self-levelling and covers the roughness of under layer
- Makes the surface firm and resistant to abrasion when cured.
- Suitable for floors with heating systems.
- Causes less carbon emission compared to cement based screeds.

CONSUMPTION

1.5 - 1.6 kg/m² (for 1 mm thickness)

PACKAGING

25 kg kraft bags

APPLICATION**PREPARATION OF THE SURFACE**

- Concrete substrate must have sufficient compressive strength (Minimum 25 N/mm²).
- The surface must be cured.
- Remove the weak concrete on the surface and fill the gaps with suitable repair mortars.
- The surface must be clear of materials that prevent bonding, such as dust, oil, tar, paint, silicone, curing materials, detergents and mold oils.
- The surface must be sound, dry, without cracks and without loose and distorted layers. Increase the adherence of very worn concrete surfaces with **AQUALATEX** added cement grout before applying the primer.
- Determine the level differences on the surface by using tools such as hose scale and level.
- Prime the surface with **MONOPRIMER Primer for Floor** to prevent absorbency and increase adherence. There is no need for primer in applications on **MAXIFLOOR**.

PREPARATION OF THE MORTAR

- Add 25 kg TOPFLOOR Gypsum Based Self-Levelling Floor Mortar (2-10 mm) slowly in approximately 6 L of clean water and mix with preferably with low speed mixer until there are no lumps.
- Leave the mortar to rest for 1 – 2 minutes to mature and mix again for 1 – 2 minutes before use.
- Use the mortar in 20 minutes.

APPLICATION

- Apply TOPFLOOR after at least 30 minutes depending on weather conditions, following the priming of the surface.
- Pour the mortar in flowing consistency onto the surface. Adjust the thickness by making occasional corrections with a notched trowel to facilitate spreading. Use a spiked roller and spiked shoes to avoid air bubbles in the product.
- In large areas, apply MONOFLOOR uninterruptedly to prevent cold joints. To ensure the continuity of the pouring process, prepare the material in more than one bucket and pour it on the floor one after another.
- Monitor the water level when applied with a machine. Excess use of water reduces the strength.
- Conform to the dilatation joints in the structure

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not add water or powder to the expired mortar.
- Prevent fast drying of the material.
- Wait at least 2 days to walk the floor.
- Ensure that it is completely dry before covering. Do not cover before. This duration may change depending on weather conditions.
- There is no need to irrigation or moistening following the application.
- Do not apply in outdoor, industrial zones and loose floors.
- Do not apply on floors exposed to moisture or wet surfaces.

- Turn the floor heating systems off at least 24 hours before the application and turn on at least 72 hours after the application.
- Do not use as final coat. It must be covered.
- If the floor will be coated with a cement based product, prime the floor after the TOPFLOOR application and wait approximately for 2 hours.

SHELF LIFE

Expires in 6 months. Store unopened packages in a dry environment, stack up to 10 packages on the pallet. Inappropriate storage conditions may affect product properties negatively.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.