

# FTECH 110

## SELF LEVELLING FLOOR COMPOUND 1-10 MM



### DESCRIPTION

- Cement-based, self-levelling floor screed that can be applied with a thickness of 1-10 mm to create an even surface.

### INTENDED USES

- Interior floors,
- Used as a self-levelling screed on concrete, screed, etc. to level the floor before PVC-linoleum, parquet, laminated parquet, wood, carpet, rubber-based floor covering, and tile coating.

### PROPERTIES

- Used to correct surface defects between 1-10 mm.
- Creates a smooth floor by spreading itself.
- Easy to apply, does not require much labor.
- Can be sanded
- Suitable for wheelchair and underfloor heating systems.
- Suitable for hand and machine use.

### SURFACE TREATMENT

- The surface must be clean, dry, smooth, and solid.
- The surface must be free of residues that will prevent adhesion.
- Defects on the ground must be repaired with **FTECH 40 Repair mortar**.
- Application thickness must be determined by taking into account the characteristics of the surface such as roughness and porosity.
- Before application, primer should be applied according to the ground condition.

### CONSUMPTION

- 1,5-1,8 kg/m<sup>2</sup> (1 mm application thickness)

### COMPLEMENTARY PRODUCT(s)

- **Z-100** Screed and floor primer
- **UA-34** General purpose primer
- **F81** Flexibility and strength increasing mortar additive
- **FTECH 40** Repair mortar

### PACKAGING

- 20 kg Kraft bag (Pallet 64 bags, 1280 kg)

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

### QUALITY CERTIFICATES

- In accordance with **TS EN 13813** standard and **CT-C25-F6** class.

### TECHNICAL DATA

Colour	: Grey
Application temperature	: (+5°C)-(+30°C)
Time required for final coat	: 24-48 saat
Application thickness	: 1-10 mm
Valid time to open to ground and pedestrian traffic	: 6-8 saat
Compressive strength	: 25 N/mm <sup>2</sup>
Bending strength	: 6 N/mm <sup>2</sup>

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### APPLICATION

- 20 kg **FTECH 110** should be poured slowly into 4,8 liter clean water in a measuring Container and mixed with a low-speed mixer (max.600/rp-m/min.) until a homogeneous mixture is obtained.
- Rest the prepared mortar for 2-3 minutes and stir it again for 1-2 minutes before application.
- The prepared fluid **FTECH 110** must be poured onto the surface. The thickness of the self-leveling mortar should be adjusted with a steel trowel.
- During the application, if necessary, a spiked roller should be used to avoid any air bubbles in the product, to facilitate the spreading process, and for final corrections.
- Applications on solid and absorbent surfaces should be at least 1.5mm thick.
- The prepared mortar should be consumed within 20 minutes at 10°C-20°C air temperature. While the application time is extended at low temperatures, it may be shortened at high temperatures.
- If the temperature is below +5°C, the application should not be done.
- In large sites, **FTECH 110** can be applied with coil-reinforced or piston pumps with a capacity of 40 liters per minute. Once **FTECH 110** is mixed with 4,8 lt water and passed through the inner walls of the pump, sand can be added.
- The hose pump and hose must be cleaned for applications longer than 20-30 minutes.
- For machine application, the width of the area should not exceed 6 meters to ensure the smooth spread of the mortar.

### WARNINGS AND RECOMMENDATIONS

- The application must be done according to standards and instructions.
- The water ratio must not exceed the specified limit and no substance not specified in the instruction should be added.
- The application must not be made on floors that are constantly wet and have dampness problems.
- **F81 Flexibility and strength increasing mortar additive** can be used to increase the self-leveling screeds' impermeability, ease workability and prevent cracks and dusting.
- The application must be started after the primer is applied on the perlite floor screed.
- It is not suitable to be applied on exterior surfaces, on wooden floors, on loose floors with low strength.
- Should not be used as a top coat.
- Cracks and ruptures may occur with the top coating on low-strength sub-floors.
- Cracks that may occur in the subfloor may cause cracks in the top coating at the same time or at the end of a certain period of time. Humidity must not be more than 4% on the concrete surfaces to be applied.
- Surface absorbency should be determined before application, applied in one layer with a suitable floor primer and it should be allowed to dry.
- During parquet application, the application thickness should not be less than 4 mm and the surface dryness should be checked before the parquet application.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- Since the product is quickly set and cured, the floor should be protected from wind and direct sun during application.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.
- The application must be done by our expert implementing dealer. The responsibility of the applications not performed by our expert implementing dealers belongs to the company that implements them.

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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