

**Floor Systems / Cement Based Screeds****MONOFLOOR<sup>®</sup> 100 – C25**

Ready to Use Self-Levelling Compound (2 - 10 mm)

**DESCRIPTION**

**C25 class, cement based self-levelling floor screed** which can be applied up to 10 mm thickness, to eliminate defects and roughnesses on the surface.

**APPLICATION AREAS**

- Indoor and dry environments
- Residential buildings
- Hospitals
- Education facilities
- Shopping malls, stores and markets
- Levelling the surface in 2 - 10 mm thickness before laying ceramics, granites, marble, wood, parquet, laminate, carpet, linolium and PVC coverings.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Grey colored fine powder
<b>Powder Density</b>	~1.40 kg/L
<b>Water Mixing Ratio</b>	6 L water / 25 kg powder
<b>Pot Life</b>	20 - 30 minutes
<b>Walk-on Time</b>	~24 hours
<b>Determination of Wear Resistance to Rolling Wheel</b>	≤ 1 cm <sup>3</sup> 28 days (EN 13892-5)
<b>Compressive Strength</b>	≥ 35 N/mm <sup>2</sup> 28 days (EN 13892-2)
<b>Flexural Strength</b>	≥ 7 N/mm <sup>2</sup> 28 days (EN 13892-2)
<b>Application Temperature</b>	Between +5°C and +35°C

**ADVANTAGES**

- Applied in 2 - 10 mm thickness
- Applied quickly and easily
- Balances by self-levelling and removes the roughness of under layer
- Provides a homogeneous appearance on the surface.
- Has high adherence to the surface
- Suitable for floors with heating systems
- Can be applied on old concrete surfaces.

**CONSUMPTION**1.6 - 1.8 kg/m<sup>2</sup> (for 1 mm thickness)**PACKAGING**

25 kg kraft bags

## APPLICATION

### PREPARATION OF THE SURFACE

- Concrete substrate must have sufficient compressive strength (Minimum 25 N/mm<sup>2</sup>).
- 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.
- Increase the adherence of very worn concrete surfaces with **AQUALATEX** added cement grout before applying the primer.
- Prime the surface with **MONOPRIMER Primer for Floor** to prevent absorbency and increase adherence.
- Determine the level differences on the surface by using tools such as hose scale and level.

### PREPARATION OF THE MORTAR

- Add 25 kg MONOFLOOR 100 – C25 Ready to Use Self-Levelling Compound (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 mature for 2 – 3 minutes and mix again for 1 – 2 minutes before use.
- Use the mortar in 20 – 25 minutes.

### APPLICATION

- Apply MONOFLOOR 100 – C25 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 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.

### 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 3 days to cover the floor.
- Do not apply in outdoor or industrial zones.
- Do not apply on floors exposed to moisture or wet surfaces.
- Apply on old concrete surfaces after repairing and priming the surface.
- Turn the floor heating systems off at least 24 hours before the application and turn on at least 72 hours after the application.

### SHELF LIFE

Expires in 12 months. Store unopened packages in a dry environment, stack up to 10 packages on the pallet.

### 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



## Technical Data Sheet (TDS)

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