

MC-Floor Screed SL 1010

One-component, cementitious self-leveling mortar.

PRODUCT DESCRIPTION:

- **MC-Floor Screed SL 1010** is a ready-mixed cement-based mortar with high self-flowing properties, self-leveling, non-shrinkage, and pumpable.

PRODUCT PROPERTIES:

- High flowability, good self-leveling.
- Abrasion resistance.
- High strength and early set, speed up construction progress.
- Easy to apply, simple mixing with clean water.
- Impact and vibration resistance.
- Easily fills complex cavities.
- High durability and good adhesion to concrete.

AREAS OF APPLICATION:

- **MC-Floor Screed SL 1010** is used in the following items, installation and repair work:
 - Leveling the concrete floor surface for wood cladding, tiling or other coatings.
 - Pumping prestressed cable holes, pumping to compensate for hollow spots.
 - Repair areas requiring high strength.

APPLICATION ADVICE:

- **Substrate preparation:**
 - All surfaces must be clean and free from loose or contaminated materials such as dust, dirt, oil, grease, etc.
 - To achieve maximum adhesion, the concrete surface must be cleaned of cement debris by chiseling, sandblasting or water jetting.
- **Priming:** Normally, there is no need to apply a primer. However, for surfaces with high water absorption or surfaces with high heat dissipation, a primer diluted at a ratio of 1:1 should be applied to avoid the formation of air bubbles and increase the adhesion of the mortar.
- **Mixing:**
 - Pour the required amount of clean water into a suitable mixing tank and slowly add **MC-Floor Screed SL 1010** in the correct proportion. Stir the mortar mixture with an electric mixer at low speed (maximum 400 rpm). Mix well until the mortar mixture reaches a uniform consistency.
 - Mixing ratio: Powder : Water = 25 kg : 3.25 -3.75 liters.
- **Application:**
 - Pour the mixed material onto the cleaned and primed floor.
 - If there is an expansion joint on the floor, it must be carefully preserved so that the material does not overflow into the joint during construction.
 - Then, level the mortar to create a finished surface according to the desired thickness.
 - Immediately after construction, use a spiked roller to roll evenly on the surface to release the remaining air on the surface.
 - Allowable application time: About 20 - 30 minutes depending on the ambient temperature.
- **Note:** Cement-based self-leveling mortar is not a floor surface finishing agent, so avoid sunlight, wind and dust for at least 15 hours because the mortar surface will dry very quickly. Avoid premature mechanical impact.

- **Consumption:** Approximately 1.6 – 2.0 kg/m² for a mortar layer of 1 mm thickness.
- **Curing:** Keep exposed mortar surfaces as little visible as possible and protect mortar from premature moisture loss by conventional curing measures (humidity, wet burlap, curing compounds).
- **Health – Safety – Environment:**
 - Avoid contact with food and household items. Avoid prolonged contact with skin. In case of contamination, wash thoroughly with water. In case of contact with eyes and mouth, rinse with clean water and seek medical attention immediately.
 - Clean equipment and tools with water immediately after use, before the material hardens.
 - Do not allow product to enter drains or watercourses, but follow local disposal regulations.

TECHNICAL DATA:

Characteristics	Unit	Value	Comments
Fluidity	cm	24 ÷ 30	TCVN 9204:2012
Water separation (after 03 hours of mixing)	%	0	TCVN9204:2012
Expansion of mortar mixture (after 03 hours of mixing)	%	≥ 0,1	TCVN9204:2012
Compressive Strength			
- 03 days	N/mm ²	≥ 20	TCVN9204:2012
- 07 days		≥ 30	
- 28 days		≥ 40	

**Specifications are based on laboratory conditions (23°C ± 2 and 60% RH) and may vary under actual application conditions. To determine specifications under specific conditions, preliminary suitability tests should be performed under actual application conditions.*

PRODUCT CHARACTERISTICS:

Form	Powder
Color	Cement grey
Packaging	25kg/ bag
Storage	Store in a cool, dry, covered and ventilated place.
Shelf life	06 months from manufacturing date if stored properly in unopened original packaging.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition **09/2024**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.