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BestFloor PC310

Self-leveling mortar, Polymer-cement based, one component

Description: BestFloor PC310 is a self-leveling mortar, with one component, a polymer-cement base. BestFloor PC310 is made of special cement, mineral silicate, and specific additives to create the necessary physical chemical feature for the product.

Recommended for:

- Used to repair, and reconstruct the floor structure that was damaged by erosion, collision, and mechanic abrasion.
- Renewable surface flatness, background before the floor tile or carpet.
- Used for floor concrete in areas with medium and light loading such as factory floor, car park, swimming pool bottom, and water tank.

Advantages:

- High thickness without shrinkage, or crack.
- Easy to use and minimize risks during construction.
- High flexibility, easy to create high flatness.
- High strength and fast, putting it into use fast.
- Enhance the anti-corrosion, anti-oil, anti-moisture, and waterproof.
- Non-toxic, friendly environment, non-Cl.
- Suitable climatic conditions in Viet Nam.

PRODUCT DATA:

Supply form: Dry powder.

Colour: Grey cement.

Specific gravity: Dry powder: 2.80 ± 0.02 kg/liter. Wet mortar: 2.20 ± 0.02 kg/liter

Storage: Sealed bag, moisture-proof, in a cool and dry place.

Shelf life: 12 months in unopened conditions.

Package: 25 kg/bag.

Consumption: 1.95 kg dry powder/1m²/1mm thickness.

Thickness: 10 ÷ 20 mm /layer.

MECHANICAL AND PHYSICAL:

Water ratio (%)	Flowable (mm)	Shrinkage (‰)	Application time(mins)
12 ±1	≥ 250	< 1	< 30

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Properties	01 (day)	03 (days)	07 (days)	28 (days)
Compressive strength (*) (MPa)	10	24	32	40
Flexibility strength (*) (MPa)	1.0	1.5	2.0	2.5
Bonding strength (**) (MPa)	NA	NA	NA	1.2

(*): Standard : ASTM C348; ASTM C349 with sample 4x4x16 cm..

(**):Standard: ASTM D7234-05.

NA: No applicable.

GUIDE TO APPLICATION:

Pre-application: The strength of subtracting must be greater than or equal to 20 Mpa. It should be saturated but not contain water.
Free from dust, contamination, all impurities, and grease.

Mixing: Mixing slowly in the freshwater tank (with a water mixing ratio is 12%, 03 liters of fresh water for 25 kg) with a maximum of speed of 400 rounds/mins for a duration of 05 minutes or until the mixture gets homogeneous.
Stand by in one minute, then mix again before construction.

Application: Use a brush or roller to apply BestBond EP759 (see technical data sheet of product) on the prepared surface. Applying the mortar of BestFloor PC310 when the BestBond EP759 surface becomes transparent but still wet.
Pour continuously narrow and the width 200 ÷ 300 mm, spread and level the material with a notched trowel with the maximum thickness of 20 mm/layer. Use a specific roller to help the leveling and escape the air of the mixture.

Note: Maximum working time is 30 minutes from the time of mixing. Mix the correct water ratio as specified.
Use a mixer with a suitable rotation speed, do not mix by hand to ensure the required uniformity.
In case BestBond EP759 bonding layer is not used, the concrete surface must be saturated with water (no longer able to absorb water) before applying BestFloor PC310 to avoid air leakage that can puncture the surface of the material.

Safety: BestFloor PC310 has alkalinity and skin allergy. Do not contact it for a long time.
Should wear gloves, masks, and glasses.
In case of accidental eye contact, wash with fresh water and seek medical advice immediately.

Disclaimer: *The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*