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BestFloor AC350

Self-leveling mortar, polymer-cement based, two components.

Description: BestFloor AC350 is a mortar based on polymer cement with two components. It is made from cement, polymer, mineral silicate, and specific additives.

Recommended uses:

BestFloor AC350 uses in the following cases:

- Repair and reconstruct the floor's surface which is damaged by erosion, collision, or mechanical abrasion.
- Renew the flatness of the floor before applying tile, carpet, or coat other specific coat.
- Use in areas where the floor is always stand by medium and light loading such as factory, car park, swimming pool bottom, water tank,...

Advantages:

- Components are accurately quantified and are available at the factory, so they are easy to use, minimizing risks during construction.
- Good flexibility, and high self-leveling ability, make it easy to construct.
- Limit shrinkage, and surface cracks during curing.
- Fast and high development intensity, quick to put the works into use.
- Enhance anti-wear, anti-oil, anti-contamination, anti-moisture, and waterproof for the substrate surface, and floor.
- Increase the aesthetic value of the work.
- Environmentally friendly, non-toxic, and does not contain Cl that corrodes reinforcement.
- Suitable for climate conditions in Vietnam.

Test:

The experimental results are carried out according to the climatic conditions of Vietnam.

PRODUCT INFORMATION**Supply form:**Part A: Polymer Acrylic emulsion/ Opalescent.
Part B: Natural grey, dry powder. Or color on requested.**Density:**

2.0 ± 0.02 kg/liter (wet mixture).

Consumption:2.0 kg/1m²/1mm thickness.**Thickness:**

2 ÷ 5 mm /layer.

Mixing ratio:

A: B= 1:5 by weight.

Package:

30 kg/set.

Storage:

At dry and cool place, avoid frost.

Shelf life:

06 months in unopened packaging.

TECHNICAL PROPERTIES

Flow (mm)	Shrinkage (‰)	Application time (min)
≥ 250	< 1	~ 30

PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES
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PROPERTIES (after 28 days)

Compressive strength (*) : ≥ 35 MPa

Flexural strength (*) : ≥ 10 Mpa

Bonding strength (**) : ≥ 1.5 MPa

(*): Standard: ASTM C349, ASTM C348 with sample 4x4x16 cm, do not soak into water.

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

GUIDE TO APPLICATION

Substrate requirements:

The concrete surface and floor must have a minimum compressive strength of 20 MPa and a minimum tensile strength of 1.5 MPa and must be suitable for the actual use load. Adhesive plaques or weak concrete surfaces must be completely removed by mechanical means. Oil and grease stains must be thoroughly and properly cleaned. Smooth surfaces must be properly roughened before application.

Mixing:

Pour component A into a clean container of suitable capacity and slowly add component B while stirring continuously (stirring speed is about 400÷ 500 rpm) for about 5 minutes until homogeneous with no more lumps.
 Leave the mixture for about 03 ÷ 05 minutes, then mix again before applying.
 Apply the BestBond EP759 bonding layer (see product manual) to the prepared surface as above.

Application:

Apply the BestFloor AC350 screed to the surface when the BestBond EP759 bonding layer turns transparent but is still wet. Pour continuously in beds with a width of 200 ÷ 300 mm, using a serrated rake to spread the BestFloor AC350 mixture evenly on the surface according to the required thickness with a **maximum thickness of 5 mm/layer**. Use spike rollers to aid in leveling and air release of the layer of material.

Notice:

The allowable application time of the material is about 30 minutes from the time of mixing. In case of not using the BestBond EP759 bonding layer, the concrete surface must be saturated with water (no longer able to absorb water) before applying BestFloor AC350 to avoid air leakage causing perforation of the material surface.

Curing:

After 72 hours from the time of application, it can be cured with a specialized curing compound such as BestCure AC015 or BestCure SS015.

Health and safety:

BestFloor AC350 is alkaline, so it can cause allergies to sensitive skin with long exposure. Gloves, masks, and safety glasses should be worn when working with the product. If the product gets into eyes, nose, or mouth, should immediately wash with clean water several times before going to the nearest medical facility for timely and proper treatment.

Statement of responsibility:

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.