

BestRepair CE400

Surface-repairing mortar, Polymer-cement modified, one component

Description

BestRepair CE400 is surface repairing mortar, one component, polymer cement modified. It is a combination of: special cement, mineral and selected silicate mineral fibers, polymer, and special additives to make its chemical and physical properties.

Uses:

BestRepair CE400 is used for all types of surfaces in medium and light load such as:

- Parking lot, pool bottom, water tank, prefabricated components ...
- BestRepair CE400 is used for repairing to finish surface: floor, wall, ceiling, ...which is honeycombed, damaged by erosion, impact, mechanical abrasion,...during use.
- Recreating flatness for new surfaces that have not reached the flatness or gloss due to construction.

Advantage:

- One component is easy to use, minimizing risks during construction.
- High plasticity, easy to adjust, so it saves labor and materials cost. Non-shrinkage, minimizing surface cracking.
- Rapid and high-strength development, quickly put the project in to use.
- Improve abrasion resistance, chemical resistance, and waterproof ability.
- Non-toxic, can be used for water reservoirs
- Non-chloride, non-corrosive.
- Suitable for Vietnamese climate conditions.

SPECIFICATION

Existence form:	Dry fine powder.
Color:	Grey cement.
Density:	Dry powder form: 2.65 ± 0.02 kg/liter. Wet form: 2.23 ± 0.02 kg/liter.
Storage condition:	Unopened bag, cool and dry place.
Shelf life:	At least 12 months in storage condition.
Packing:	25 kg/bag.
Consumption:	74÷75 bags for 1m ³ mortar.

TECHNICAL DATA:

Mixing water (%)	Size of particle (mm)	Shrinkage (‰)	Layer thickness (mm)	Pot life (minute)
13÷15	< 2	< 1	5÷20	< 30

Minimum strength:

Old days	01 day	03 days	07 days	28 days
Compressive strength (*) (MPa)	≥ 10	≥ 20	≥ 30	≥ 40
Flexural strength(*) (MPa)	≥ 1.0	≥ 2.0	≥ 3.0	≥ 3.5
Bonding strength(**) (MPa)	NA	NA	NA	≥ 1.5

(*): Standard: ASTM C348; ASTM C349.

(**): Standard: ASTM D7234-05

INSTALLATION

Surface preparation: The surface to be repaired must be properly treated, and all loose materials and impurities must be removed. Avoid spreading grease, or oil,...using high-pressure water to clean the surface before constructing. If the surface is dry, moisten it with clean water.

Mixing: Pouring BestRepair CE400 slowly into properly freshwater (water ratio from 13-15% compared to the weight of powder as about 3.25- 3.75 liter of fresh water for 25 kg) continuously stirring with electric mixer at speed 300 ÷ 400 revolutions/ minute about 05 minutes until the mixture is free of lumps and homogeneous is as required.

Application: Use a brush to apply the bonding layer of Bestbond EP752 (see the application document of BestBond EP752) over the entire surface prepared as above. Apply the mortar layer of BestRepair CE400 was thoroughly mixed with water on the surface while the layer of BestBond EP752 is still wet. Ensure the BestRepair CE400 mortar is compacted to the surface. The maximum thickness of the mixture is not greater than 20 mm. In case of the thickness of the substrate which is needed repair is greater than 20mm, apply once more layer when the previous is hardened.

Curing: Curing regular requirement as others cement base products. Reduce free of water by covering wet cloth, plastic cover, or cure compound BestCure AC015 or BestCure SS015.

Safety: BestRepair CE400 is alkalinity, should wear gloves, masks, and glasses while handling the product. 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.