

BestRepair CE650

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

Description

BestRepair CE650 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 CE650 is used for all types of surfaces in medium and heavy loads such as:

- ✓ Floor, wall, ceiling,...which is honeycombed, damaged by erosion, impact, mechanical abrasion,...during use.
- ✓ BestRepair CE650 is used for all types of surfaces in medium and heavy loads such as: Parking lot, pool, water tanks, prefabricated components

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: 2.40 ± 0.02 kg/liter.
Storage condition:	Unopened bag, cool and dry place.
Shelf life:	06 months in storage condition.
Packing:	25 kg/bag.
Consumption:	79-80 bags for 1m^3 mortar.
Thickness	Ceiling: 150mm Wall: 300mm

TECHNICAL DATA:

Mixing water (%)	Size of particle (mm)	Shrinkage (%)	Setting time(minute) (mm)	Pot life (minute)
11÷13	< 3	< 0.01	Initial: 100, Final: 180	< 30

Minimum strength:

Old days	01 day	03 days	07 days	28 days
Compressive strength (*) (MPa)	≥ 25	≥ 40	≥ 55	≥ 65
Flexural strength(*) (MPa)	≥ 2	≥ 5	≥ 8	≥ 12
Bonding strength(**) (MPa)	≥ 25	≥ 40	≥ 55	≥ 65
Modulus of elasticity (***) Gpa	NA	NA	NA	≥ 35

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

(**): Standard: ASTM D7234-05

(***): BS EN 13412:2006

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 CE650 slowly into properly freshwater (water ratio from 11-13% compared to the weight of powder as about 2.75- 3.25 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.
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 CE650 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.*