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BestRepair CE300

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

PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES
 PHỤ GIA BÊ TÔNG, XI MÀNG, HÓA CHẤT CHỐNG THẤM, Vữa RỘT RỐT KHÔNG CO NGÓT, NỀN SÀN, KẾT NỐI, TRÁM BÍT, SỬA CHỮA, BẢO VỆ AN THIÊN, CEMENT AID, CONCRETE ADMIXTURE, WATERPROOFING, GROUTING, FLOORING, SEALING, REPAIRING, PROTECTING, FINISHING

Description:	BestRepair CE300 is surface repairing mortar, one component, polymer cement modified. BestRepair CE300 is a combination of: special cement, mineral and selected silicate mineral fibers, polymer and special additives to make its chemical and physical properties.
Recommended uses:	<ul style="list-style-type: none"> BestRepair CE300 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. BestRepair CE300 is used for all types of surfaces in medium and light load such as workshop floors, parking lots, pool bottoms, water tank, and prefabricated components ...
Advantages:	<ul style="list-style-type: none"> One component, accurately quantified at the factory so it is easy to use, minimizing risks during construction. High plasticity, easy to adjust and construct, so it saves labor and materials costs. Non-shrinkage, minimizing surface cracking. Rapid and high-strength development, quickly put the project into use. Improve abrasion resistance, chemical resistance, and waterproofing for surface repair. Enhances the beauty and appeal of the workplace. Cure easily Non-toxic, can be used for water reservoirs. Non-chloride, non-corrosive. Suitable for Vietnamese climate conditions.
Testing:	Experimental results were carried out under Vietnamese conditions.
PRODUCT INFORMATION:	
Supply form:	Dry powder. Appearance as grey cement.
Density:	Dry powder form: 2.65 ± 0.02 kg/liter. Wet form: 2.23 ± 0.02 kg/liter.
Mixing water:	15÷17
Particle size:	< 2 (mm)
Consumption:	Need 74÷75 bags for 1m ³ mortar.
Packaging:	25 kg/bag.

Storage condition: Unopened bag, cool and dry place.

Shelf life: 12 months comply in storage condition.

TECHNICAL INFORMATION

Shrinkage (%)	Layer thickness (mm)	Pot life (minute)
< 1	5÷20	< 30

Minimum strength:

Sample age	01 day	03 days	07 days	28 days
Compressive strength (*) (MPa)	≥ 10	≥ 15	≥ 25	≥ 30
Flexural strength(*) (MPa)	≥ 1.0	≥ 1.5	≥ 2.5	≥ 3.0
Bonding strength(**) (MPa)	NA	NA	NA	≥ 1.5

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

(**): Standard: ASTM D7234-05

GUIDE OF APPLICATION:

Substrate preparation:

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

Mixing:

Pouring BestRepair CE300 slowly into properly freshwater rate (water 15-17% compared to the weight of powder, about 3.75 ÷ 4.25 liter of fresh water for 25 kg) continuously stirring with an electric mixer at speed 300 ÷ 400 revolutions/minute for about 05 minutes until the compound is free of lumps and homogeneous as required.

Application:

Use a brush to vigorously brush the BestLatex R114 connection mixture (see BestLatex R114 product manual) over the entire prepared surface as above.
 Apply the BestRepair CE300 mortar that has been thoroughly mixed with water on the surface while the BestLatex R114 connection layer is still wet. Make sure that the BestRepair CE300 repair mortar layer must be compacted to the surface to achieve the highest consistency of the construction mortar and the maximum thickness of the BestRepair CE300 repair mortar layer is not more than 20mm.

Curing:

In order for the product to achieve the highest physical and mechanical properties, the product after application needs to be cured according to the same process as other cement-based products. Minimize the loss of water due to evaporation of the product with available materials such as: waterproof sacks, plastic sheets or curing compounds BestCure AC015 or BestCure SS015.

Cleaning:

Clean equipment and tools with clean water immediately after application.



BRCE300

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BESTMIX CORPORATION

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Health and Safety:

BestRepair CE300 is alkaline, 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.

Statement of responsibility:

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

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