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BestBond EP721

Multi-purpose admixture, solvent-free, two components.
(As primer, leveling mortar, intermediate layer, mortar screed)

Description:

BestBond EP721 is a solvent-free based on epoxy product. It has multi-purpose such as primer, leveling mortar, intermediate layer, and mortar screed.
BestBond EP721 is made with epoxy resins, amine hardeners, special admixtures, and selected inert aggregate.

Recommended for:

- Primer layer.
- Binder.
- Filling the couplings, bearing in the assembling structures, precast concrete.
- Positioning bolts, anchoring machine foundation, rail pads, column gusset plate injection.
- In the case of colored, BestBond EP721 can use as a finish coating which improves the chemical, bearing, and impact.

Advantages :

- Low viscosity, deep penetration.
- Fast cure, high early and final compressive strength, bonding strength.
- Non-shrinkage, non-crack.
- Excellent workability, and flow ability.
- Self-compacting, and self-leveling properties.
- Bonding well to clean metal, granite, concrete surfaces.
- Chemical resistance, abrasion resistance.
- Environment friendly.

PRODUCT DATA

Package: 14; 35 kg/set (# 9.50; 23.65 liter/set)

Shelf life: 24 months in a sealed package and stored in a cool and dry place.

Color : Light grey

Specific gravity: Component A: 1.60 ± 0.05 kg/liter (25°C)
Component B: 1.00 ± 0.05 kg/liter (25°C)
Mixed A+B: 1.48 ± 0.05 kg/liter (25°C)

Solid content: 100 %

Application temperature: Minimum: + 10°C (but above dew point temperature of 5°C)
Maximum: + 35°C
Relative humidity: 80%

Mixing ratio: **B = 6 :1 (by weight)**

PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES
PHỤ GIẢM TĂNG, XI MÁNG, HÓA CHẤT CHỐNG THẤM, HÓA CHẤT CHỐNG CO NGÓT, HÓA BẢO, KẾT NỐI, THÁM BỊT, SỬA CHỮA, BẢO VỆ KHU THÉP, ★ CEMENT ADD - CONCRETE ADMIXTURE - GROUTING - FLOORING - SOUNDING - SEALING - REPAIRING - PROTECTING - TIMBERING

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Pot-life

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot-life (Minute)	40	30	20	15

PHYSICAL PROPERTIES: (curing at 7 days @ 30°C)

Compressive strength ^(*) (MPa)	≥ 65	Flexural strength ^(**) (MPa)	≥ 45
Tensile strength ^(***) (MPa)	≥ 30	Bonding strength ^(****) (MPa)	≥ 1.5 (concrete failed)
Elongation strength ^(***) (%)	≥ 0.2	Flow-ability ^(*****) (mm)	≥ 210

(*): Standard: ASTM C349-14 ; (*): Standard: ASTM C348-14

(**): Standard: ASTM D638-14 ; (****): Test with the standard of: ASTM D4541-02

(****): Test with the standard of: ASTM C230-14

APPLICATION

Surface condition: The concrete floor must be cured for a minimum of 28 days and must be waterproofed against ground moisture and hydrostatic pressure solidified, and dry (the moisture is not more than 4%).
Use a steel trowel (or power floats) to specific levels and falls on the concrete surface.

Preparation for application: Remove oil and grease with BestThinner SC01 and wipe out by dry cloth.
Remove by grinding or chipping all cement dropping or concrete over pours, prefer shot blasting to achieve a suitable profile.
Fill all holes, cracks, and other minor surface imperfections with suitable BestBond.

Mixing: Use a low-speed (300÷400 rpm) electric drill. Mix one unit of part A with one unit of part B for at least 3 minutes or longer to get a homogeneous mixture.

Placing: Before application, make sure to subtract moisture content is below 4.0 %. If the moisture content is above 4.0%, BestSeal EP760 may be applied as a temporary moisture barrier system.
After mixing, the mixture is poured immediately into the prepared surface by brush, roller or squeegee and then back-rolling crosswise. If necessary, apply two layers of primer.

Cleaning: Use a dry cloth to clean the instruments, and equipment and wash again with BestThinner SC-01 before the material harden.

Safety: Two components are not hazardous, and flammable. However, to ensure minimum safety conditions when using the chemical product.

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.*