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BestBond EP750

Epoxy Adhesive for cracked concrete patching, two components

Description: BestBond EP750 is an epoxy adhesive with two components and low viscosity. It is the combination between epoxy and other admixtures used to adhesive the cracked and broken concrete, to restore the structure's original strength.

Uses: Eternal adhesive for the cracked, broken concrete structures: Slab, floor, girder and clamp terminal, load-bearing beam, partition wall of basement...
This product is also used to overcome cracked feet and used as a protective coating for construction parts: Anchor support...

Advantages:

- ✓ Easy and simple to construct, allowing construction at low temperatures.
- ✓ Easy to fulfill into small cracks and restore the maximum initial strength.
- ✓ Developing the strength fast, putting it into use fast.
- ✓ Adhesive strength and tensile strength are higher than concrete material.
- ✓ Non-solvent, non-toxic, and friendly to the environment.

PRODUCT DATA:

Package: 1; 10 kg/ set.

Shelf life: 12 months from the date of manufacturing in unopened conditions, stored from 0-30°C.

Color: Transparent

Density (25°C): Part A: 1.14 kg/liter; Part B: 1.02 kg/liter
Part A+B: 1.11 kg/liter

Dry content: ~100 %.

Application ambient: Minimum temperature: 10°C (over dew point temperature of 5°C)
Maximum temperature: 35°C; Relative humidity ≤ 80%

Chemical resistance: Resistant to alkali, acid, water, salt solution, oil, fuel, and many other popular chemicals.

Mechanical strength: Compressive strength and adhesive strength are very high with concrete surfaces.

Mix ratio: Part A: Part B = 4:1 (by the weight).

Application time:

Temperature	+20°C	+25°C	+30°C	+35°C
Allowing time(mins)	30	25	15	5

Note: To increase the application time, it is possible to store two components in a cool room before mixing

Mechanical and physical standard (after 07 days of curing):

Compressive strength: ≥ 55 MPa
Bending strength: ≥ 40 Mpa
Tensile strength: ≥ 20 Mpa
Bonding strength: Concrete: > 1.5 MPa (concrete failure)
 (humidity 65%, 07 days, 30°C)

GUIDE TO APPLICATION:

Surface condition: The cracked surface must be clean, dry (humidity less than 4%), not bonding impurities easy blister, and remove all dust by proper mechanical methods.

Mixing: Before application, two components A and B should be carefully mixed under the right ratio by slowly stirring (at speed of 300 ÷ 600 rpm). The minimum mixing duration should not be less than 02 minutes and can be longer until reaching the required homogeneity.

Application: Use the concrete breaker to drill holes (depth at least 30mm) to implant the pump head (check valve) at the lowest point of the crack. Use BestBond EP751 to seal the pump head and cracked surface. Use a self-propelled pump or high-pressure pump to fill material until fulfilling the cracks. BestBond EP750 will self-cure after 07 days of application.

Cleaning: Use BestThinner SC-01 to clean instruments as soon as after the execution and before the mixture's hardening.

Safety: Both components are flammable, therefore, they are required to be placed distant from heat or fire during the execution or preservation. This product can be allergic to the skin, therefore should be prevented from direct contact with the skin. It is advised to wear a comforter, gloves, and protective glasses while handling the product. In case of accidental eye contact, wash with fresh water and seek medical advice immediately. Eliminate surplus products into the right place as regulated by the locality.

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.*