

Feb. 2021 Version

# BestCoat EP705

Epoxy Coating, Water based, Two components

Description:

BestCoat EP705 is an epoxy coating, two components, dispersal water, used to

coat for floor, slab, wall, ceiling, swimming pool, water tank,...

Recommended

To make a coating protector on surface with functions as: abrasion resistance, water-proofing, chemical resistance, medium and light loading for factory floor, garage, workshop,...BestCoat EP705 can be directly coated on concrete surface, cement layer, cement fiber panel, epoxy mortar, metal surface,...

- Well adhesive with most high moisture surface( relative humidity 8%).
- Resistance to chemical, carbonate, mechanical abrasion.
- Develop strength quickly, put project into use soon.
- High coverage, saving and economical.

Advantages:

- Washable, cleanable, microbe resistance, mould resistance
- Friendly to environment, non-toxic
- Especially, non-polluted for water
- Easy to apply by tools such as: brush, short roller, pressure sprayer,...
- Easy to recognize signs of the end times to allow construction.

| Tec | hnica | I Data: |
|-----|-------|---------|
|     |       |         |

| Packaging:               | 5; 25 kg/set.   |  |  |
|--------------------------|---|--|--|
| Shelf life:              | 12 months upon manufacturing date (In original, unopened package)   |  |  |
| Color:                   | White, grey, green, yellow, brown (optional on requested)   |  |  |
| Density:                 | Component A: 1.15 ± 0.01 kg/litter (@ 25°C) Component B: 1.43 ± 0.02 kg/litter (@ 25°C) Mixture A+B: 1.36 ± 0.02 kg/litter (@ 25°C) |  |  |
| Solid content:           | ≥ 70 %  |  |  |
| Dose:                    | 0.10 ÷ 0.25 kg/m²/layer (depend on surface status)  |  |  |
| Application temperature: | Minimum: 20°C (above dew point temperature of 5°C)  Maximum: 35°C  Relative humidity ≤ 80%  |  |  |
| Chemical resistance:     | Resistance to water, light acid, light alkali, sea-water, grease, fuel and other common chemicals.                                  |  |  |

### **BESTMIX CORPORATION**

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HCMC OFFICE 1: 378-384 Cong Hoa Str., Ward 13, Tan Binh Dist., Ho Chi Minh City el: (028) 3810 7995 (7996, 7997)

**Mechanical strength:** 

Mixing ratio:

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Part A: Part B = 1:4 (by weight)

NHA TRANG OFFICE: 989 Le Hong Phong Street, Phuoc Long Ward, Nha Trang City Tel: 090 545 3579 Email: bm3@bestmix.com.vn

Improving the mechanical abrasion resistance for surface.

**CENTRAL BRANCH:** 478B1 Dien Bien Phu Street, Thanh Khe District, Da Nang City Tel: (023) 6371 5299 - 6371 5399 Email: bm4@bestmix.com.vn

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#### Pot-life:

| Environment temperature | +20°C   | +25°C   | +30°C   | +35°C   |  |
|-------------------------|---------|---------|---------|---------|--|
| Allowed time            | 90 mins | 65 mins | 50 mins | 40 mins |  |

## Waiting time:

| Environment temperature              | +20°C    | +25°C    | +30°C    | +35°C    |
|--------------------------------------|----------|----------|----------|----------|
| Waiting time between layers: Minimum | 24 hours | 20 hours | 14 hours | 10 hours |
| Maximum                              | No limit | No limit | No limit | No limit |
| Light mechanic impact resistance     | 5 days   | 4 days   | 3 days   | 2 days   |
| Complete curing                      | 10 days  | 10 days  | 7 days   | 7 days   |

# Application:

system:

To defect and honeycomb surfaces should be treated by the epoxy mortar of BestBond products before applying BestCoat EP705.

To smooth the surface, solid and medium roughness can be applied as following:

- 01 primer layer: BestPrimer EP702 with rate: 0.20 ÷ 0.25 kg/m<sup>2</sup>
- 02 coating layers: BestCoat EP705 with rate: 0.20 ÷ 0.25 kg/m²

However, the layer can be applied more depending on request of each item, work or purpose.

# Conditional surface:

Coating flooring

Application surface should be met the minimum strength (Compressive strength:  $\geq$  20 MPa, Tensile strength:  $\geq$  1.5 MPa). The surface should be locked water-permeable and removed from dirty particles, and dusty before application.

# Mixing:

Before application, two components A and B should be properly mixed under the right ratio by slowly stirring (at speed of 300 ÷ 400 rpm).

The minimum mixing duration should not be less than 05 minutes and can be longer until reaching the required homogeneity. Take the mixtures for about 05 minutes then stir again before application.

Application: dust.

Use a brush or short roller or pressure sprayer to apply with a rate not over 0.40 kg/m<sup>2</sup> in any case. The application area should be peaceful, clean, no

Note:

Do not use mixtures over time to apply and get hardening.

Cleaning:

Use water and soap to clean equipment immediately after the execution and before the mixture's hardening.

Safety:

Both components are nontoxic and nonflammable. However, one should 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.

Disclaimer:

The technical information and application instruction in documents of BESTMIX are 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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