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BestCoat EP710

Self-leveling epoxy, high strength, two components

Description:

BestCoat EP710 is a high strength, self-leveling, chemical resistant epoxy based paint. Water resistant, creating a non-slip textured surface, very suitable for frequently wet surfaces.

BestCoat EP710 is composed of epoxy resin and curing agent, hardness-enhanced silicate minerals and specialized chemical additives to give the floor surface flatness, surface roughness, chemical resistance, and resistance. wear, optimal load bearing.

Recommended uses:

BestCoat EP710 is used to cover concrete or metal floors with high-end requirements such as:

- Sterile rooms, operating rooms, laboratories.
- Pharmaceutical or veterinary medicine factory.
- Food, brewery, aquatic or agricultural factory.
- Electronic, computer, optics and accurate assembly plants.
- Chemical, insecticide factories.
- Kitchen rooms, Kindergarden.

Advantages:

- High self-leveling and anti-slip capabilities.
- Excellent load bearing, chemical resistance, mechanical abrasion resistance.
- Meet microbiology, food safety, pharmaceutical standards, GMP, HACCP standards.
- Compressive, flexural, tensile and adhesive strength, fast development (10 days).
- Easy to clean, wash, anti-microbial, mold...
- Easy to maintain, repair, patch when needed, friendly to the environment.

PRODUCT INFORMATION

Supplier form: Yellow, Green, Blue, Red brown, Grey, (optional on requested).

Density (25°C): TP A: 1.85 ± 0.05 kg/L. TP B: 1.05 ± 0.05 kg/L
Mixed mixture: 1.52 ± 0.05 kg/L (depend on color).

Aggregate size: D_{max}: 250 µm.

Flowability: d ≥ 200 mm.

Consumption: 1.75 kg/m²/mm thickness.

Mixing ratio: See on the label.

Packaging: 40 kg/set.

Storage condition: In cool and dry place. **Shelf life:** 12 months.

TECHNICAL INFORMATION

Working condition: 10°C (above dew point temperature of 5°C) ≤ T ≤ 40°C. RH ≤ 80%

Pot-life:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot-life (Minute)	90	55	45	35

Curing time:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Walk - ability (Hr)	72	60	48	36
Full cure (Day)	14	12	10	7

PROPERTIES (after 7 days @ 30°C).

Chemical resistance: (percent weight gained after immersion 20°C):

Time	H ₂ O	10% NaCl	10% CH ₃ COOH	10% H ₂ SO ₄	10% NaOH	CH ₃ OH
1 day	0.02	0.02	0.50	0.20	0.02	2.00
4 days	0.04	0.03	1.25	0.35	0.05	4.10
7 days	0.06	0.04	1.85	0.50	0.06	4.80

GUIDE TO APPLICATION

Coating system: 01 primer layer of BestPrimer EP701, BestPrimer EP702 or BestPrimer EP703.
01 self-levelling layer of BestCoat EP710 with the thickness as design required.

Substrate prepare: To concrete surface: **Compressive strength: ≥ 20 MPa, tensile strength: ≥ 1.5 MPa.** Surface should be flat, solid, dry. The substrate surface must be flat, solid and dry.
Cracks, defective positions must be treated, repaired, patched according to the correct procedure. Impurities, debris, dirt must be cleaned properly. If the surface is metal, wood, etc., the grease and rust stains must be completely removed and cleaned with BestThinner SC01.

Mixing: Preliminarily mix part A and add component B and mix well according to the specified ratio by stirring paddle or special slow speed mixer (300 400 rpm) for about 5 minutes or so until when agreed. When subdivision is required, component A must be stirred first.

Application: Pour the mixed mixture onto the corresponding surface area to each parallel rows with width 200 ÷ 300 mm, using a jagged scraper to spread out materials according to the thickness required. Using a notched roller to support the leveling and get rid of air bubbles.
Note: While the mixture is not hardening, the application space should be no dust, avoid insects.

Cleaning: Clean tools, equipments with dry cloth and BestThinner SC01.

Health and safety: Product is non toxic, non flammable. Can be allergic to skin. It is advised to wear comforter, gloves, protective glasses. 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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