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BestCoat EP708

Self-leveling epoxy, high strength, two components

Description: BestCoat EP708 is a solvent-free, two-component, self-leveling epoxy coating. The composition is made of 100% epoxy, silicate minerals, selective hardening aggregates and other specialized additives.

Recommended uses: *BestCoat EP708 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, Kindergardent.

Advantages:

- Low viscosity, self-leveling and high gloss.
- Allow application with thickness 1mm.
- Meet the requirement of standard: GMP, HACCP.
- Resistance to chemical, impact, mechanical abrasion and heavy load bearing.
- Easy to clean, wash, repair.
- Friendly to environment.

PRODUCT INFORMATION

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

Solid content: 100 %.

Density (25°C): TP A: 1.99 ± 0.05 kg/L. TP B: 0.98 ± 0.05 kg/L
Mixed mixture: 1.88 ± 0.05 kg/L (depend on color).

Aggregate size: D_{max}: 250 µm.

Flowability: d ≥ 200 mm.

Consumption: 1.90 kg/m²/mm thickness.

Mixing ratio: **A: B= 12: 1 (by weight).**

Packaging: 10; 40 kg/set or as request.

Storage condition: In cool and dry place.

Shelf life: 12 months. (In original, unopened package)

TECHNICAL PROPERTIES

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

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Pot-life:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot-life (Minute)	90	55	40	30

Curing time:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Walk - ability (Hr)	48	40	24	24
Full cure (Day)	10	08	7	7

PROPERTIES (after 7 days @ 30°C).

Compressive strength (MPa)	≥ 80	Flexural strength (MPa)	≥ 45
Bonding strength (MPa)	≥ 1.5	Abrasstion resistance (CS10/1000/1000)	≤ 65
Shore hardness D	≥ 82	Elongation (%)	≥ 0.7

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	0.76	0.18	0.02	2.15
4 days	0.06	0.04	1.65	0.31	0.05	4.27
7 days	0.08	0.05	2.04	0.38	0.06	5.27

Thermal resistance:

Temperature(T)	Time	T	Time	T	Time	T	Time
+ 50°C	Long- life	+ 75°C	7 days	+ 100°C	12 hours	+ 150°C	1 hour

GUIDE TO APPLICATION

Coating system:	01 primer layer of BestPrimer EP701, BestPrimer EP702 or BestPrimer EP703. 01 self-levelling layer of BestCoat EP708 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 cracks, defective location must be treated, repaired, patched as required. Impurities, broken pieces, dirt, grease must be cleaned completely.
Mixing:	Use an electric mixer or special blender at low speed (300÷400 rpm) to mix material about 5 minutes or longer until material is homogeneous. If need to split quantity of material, should stir part A before weight.
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 thicknes 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:	<i>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.</i>

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