



BestCoat EP709

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Self-leveling Epoxy, High strength, Three components.

Description:	BestCoat EP709 is a self-leveling epoxy, non-solvent, three components. BestCoat EP709 is made from 100% pure epoxy, high strength and selected silicate mineral and other special additives.
Recommended for:	BestCoat EP709 is used for high requirements such as: Resistance to high loading, chemical, corrosion, mechanic and meet the standard requirements of pharmaceutical safety, food, ...as factory floors of pharmaceutical, seafood, food, assembly of electronic components, textiles, sterile room, operating room, laboratory, aircraft hangar, parking,... BestCoat 709 can be directly applied on natural stone, grindstone, wood, steel...
Advantages:	<ul style="list-style-type: none">• Meet the standard of microbiological, food safety, pharmaceutical, GMP, HACCP.• Low viscosity, high self-leveling, easy to apply, high performance.• Resistance to chemical, mechanical abrasion, loading...• Well bonding to various material surfaces.• Easy to clean, wash, anti-microbial, anti- mold...• Friendly to environment.
Technical Data:	
Package:	20; 40 kg/set.
Shelf life:	12 months from produced date in unopened pack.
Color:	Yellow, Green, blue, grey, are available (Color can be optional accordance to minimum required quantity)
Density:	Part A: 1.12 kg/liter (@ 25°C) Part B: 0.97 kg/liter (@ 25°C) Part C: 2.60 kg/liter (@ 25°C) Mixed: A+B+C: 1.80 kg/liter (@ 25°C)
Solid content:	100 %
Consumption:	1.80 kg/m ² /mm thickness.
Application temperature:	Minimum: 15°C (but above dew point temperature of 5°C) Maximum: 35°C Relative humidity Max.: 80%
Chemical resistance:	Resistance to alkali, acid, oil, grease....and other chemical solutions.
Mechanical strength :	High loading capacity and mechanical abrasion resistance
Mixing ratio:	A /B /C = 3 /1 /9 (by weight)

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Pot-life:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot-life (Minute)	90	65	40	30

Curing times:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Walkable	30 hours	30 hours	24 hours	20 hours
Light mechanical impact	5 days	4 days	3 days	2 days
Completely cured	10 days	10 days	7 days	7 days

Physical properties: (curing after 7 days @ 30°C)

Compressive strength (MPa)	≥ 80	Bonding strength (MPa)	≥ 1.5 Concrete failure
Flexural strength (MPa)	≥ 40	Shore hardness D	≥ 80
Abraison resistant (mg) (CS10/1000/1000)	≤ 65	Elongation (%)	≥ 0.1

Application:

Coating system:	One full coat of BestPrimer EP701, BestPrimer EP702 or BestPrimer EP703. One full coat of BestCoat EP709 with designed thickness.
Substrate requirement:	Concrete floor: Compressive strength: ≥ 20 MPa, Tensile strength: ≥ 1.5 Mpa. The floor surface must be flat, steady and dry. The cracks, defects should be completely treated. Impurities, broken pieces, dust, oil...should be removed as required.
Mixing:	Mix part A and pour part B into Part A, then pour part C into mixtures (A+B). Use an electric mixer or special blender at low speed (300÷400 rpm) to mix material about 05 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:	Use dry cloth and BestThinner SC01 to clean equipments immediately after the execution and before the mixture's hardening.
Safety:	BestCoat EP709 is non toxic, non flammable. However, should wear gloves, masks and 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 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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