

# BestCoat EP707

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Self-leveling Epoxy, High strength, Two components

**PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES**  
 PHỤ GIA BÊ TÔNG, XI MĂNG - HÓA CHẤT CHỐNG THẤM - VỮA RỘT KHÔNG CO NGÓT - NỀN SÀN - KẾT NỐI - TRÁM BÍT - SỬA CHỮA - BẢO VỆ AN THIÊN ★ CEMENT AID - CONCRETE ADMIXTURE - WATERPROOFING - GROUTING - FLOORING - BONDING - SEALING - REPAIRING - PROTECTING - FINISHING

**Description:** BestCoat EP707 is Epoxy-based floor top coat, non-solvent, high strength. Ability to self-levelling and high gloss.  
 BestCoat EP707 is 100% pure epoxy, exhibits excellent resistance to abrasion, chemicals and finishes to very smooth, impervious surface that can be easily maintained in a hygienic condition.

**Application:** BestCoat EP707 is applied directly on concrete or metal floor surface, it is suitable for:

- Clean and sterile rooms, operating rooms, hospitals, laboratories...
- Pharmaceutical and cosmetic factories...
- Food, drink, brewery and agricultural processing factories...
- Electronic, computer, optics and accurate assembly plants...
- Chemical, insecticide factories, kitchen rooms, child care centre...
- Parking lot, repair workshop, canteen....

**Advantages:**

- Low viscosity, high self-leveling smooth and gloss abilities.
- Allows the application of thin layers with a thickness of 1 mm.
- High load, excellent resistance to chemical attack and abrasion.
- Meet the requirement of standard: GMP, HACCP
- Easily to clean, maintain, mend and repair.
- Odorless, non toxic.

**Product data:**

**Packing:** 18; 36 kg/set.

**Shelf life:** 12 months from the produced date in the unopened pack.

**Color:** White, Yellow, Green, blue, and grey, are available, with special colors on request.

**Density** 1.60 ± 0.05kg/liter at 25°C (depending on colors)

**Consumption:** 1.60 kg/m<sup>2</sup>/mm thickness.

**Application temperature:** Minimum: + 15°C (but above dew point temperature of 5°C)  
 Maximum: + 35°C  
 Relative humidity Max.: 80%

**Mixing ratio:** Part A: Part B = 7:1 (by weight)

**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 (Hr)	48	40	24	18
Full cure (Day)	10	08	07	07

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

Compressive strength (MPa), (min.)	≥ 75	Flexural strength (MPa), (min.)	≥ 45
Tensile strength (MPa), (min.)	≥ 35	Bonding strength (MPa), (min.)	> 1.5 (Concrete failure)
Shore hardness (min.)	≥ 75	Elongation (%), (min.)	≥ 0.5

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

	H <sub>2</sub> O	10% NaCl	10% CH <sub>3</sub> COOH	10% H <sub>2</sub> SO <sub>4</sub>	10% NaOH	CH <sub>3</sub> OH
01 day	0.01	0.02	0.50	0.10	0.01	2.00
07 days	0.05	0.04	1.50	0.30	0.04	4.20

**Heat Resistant:**

Temperature	Time	Temperature	Time	Temperature	Time	Temperature	Time
+ 50°C	Long lasting	+ 75°C	07 days	+ 100°C	12 hours	+ 120°C	01 hour

**Application:**

<b>Coating system:</b>	One full coat of BestPrimer EP701, BestPrimer EP702 or BestPrimer EP703. One full coat of BestCoat EP707 with designed thickness.
<b>Surface Condition:</b>	Compressive strength of concrete: ≥ 20Mpa, Tensile strength : ≥ 1.5Mpa. Concrete surface have to be smooth, dense, dry. Concrete floor shall be cure for minimum 28 days. Cracks, defects must be repaired according to requirement. Impurities, fragments and dirt must be cleaned properly. If the surface is metal, wood ... then grease and rust must be completely removed and cleaned with BestThinner SC01.
<b>Mixing:</b>	Pour part B into Part A under the right ratio. Use an electric mixer or special blender at low speed (300÷400 rpm) to mix material about 03 minutes or longer until material is homogeneous. If need to split quantity of material, should stir part A before weight.
<b>Applying:</b>	Pour the mixed mixture over the corresponding surface area with each parallel bed width 200 ÷ 300 mm, use a serrated scratching table suitable for evenly spreading materials thick required. Use a special spiked roller to aid in leveling and eliminating air bubbles. <b>Note:</b> Application space must ensure no dust and avoid insects the whole layer of material is wet (within 24 hours).
<b>Cleaning:</b>	Clean tools, equipments with dry cloth and BestThinner SC01 before hardening.
<b>Safety:</b>	BestCoat EP707 is a 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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