

BestCoat PU800MF

Self-levelling Polyurethane coating, high strength, anti-slipping, chemical resistance.

Description: BestCoat PU800MF is a self-levelling Polyurethane Coating, high strength, anti-slipping, chemical resistance, solventless, high strength, abrasion resistance,...

BestCoat PU800MF is recommended for concrete or metal floors where a high required:

- Application:**
- Clean and sterile rooms, operating rooms, hospitals, laboratories...
 - Pharmaceutical and cosmetic industries...
 - Food, drink, brewery and agricultural processing industries...
 - Electronic, computer, optics and accurate assembly plants...
 - Chemical, insecticide factories, kitchen rooms, child care centre...

- Advantage:**
- Durable, heavy-duty, wear-resistant, impact-resistant
 - Meet the standards of Microbiology, food safety products, pharmaceutical products, GMP, and HACCP standards...
 - No joints, oil impervious, no contamination, so it's easy to clean, maintain, repair, patch...
 - Excellent chemical resistance.
 - Quickly put the project into use.
 - Prevent the growth of bacteria, mold, and moss effect.
 - Known as a sustainable floor system, with long service life, long-term exploitation, and use.

PRODUCT INFORMATION:

Appearance: Red, orange, yellow, lighter yellow, grey, cream, blue, green, and brown. The surface may be yellow in the UV-affected area, but only the color is affected. Note: UV only causes the yellowing of light colors.

Specific weight: 1.90 ± 0.05 kg/liter (25 °C) (ASTM D1475-13)

Mix ratio: A/ B/ C = 3.00/ 3.05/ 14.95 (by weight).

Consumption: ~ 1.90 kg/m²/ mm thickness.

Packaging: 21 kg/ set.

Shelf-life: Minimum 12 months from date of manufacture in unopened condition.

Storage condition: In a cool, dry place, avoid frost, avoid direct sunlight, ambient temperature of 5°C ÷ 30°C.

TECHNICAL PROPERTIES:

Application environments: Minimum temperature: + 10°C (Above the dew point temperature at least 5°C)
Maximum temperature: + 35°C. The maximum relative humidity of the air is 75%.

Working time: 15 minutes from mixing at an ambient temperature of 30°C.

Curing time: Pedestrian: After 12 hours
Normal use: After 24 hours
Chemical resistance: After 28 days.
The system is fully self-curing after 28 days.

Adhesion strength:	≥ 1.5 Mpa (concrete failuare)	(ASTM D7234-05)
Shore D hardness:	≥ 80	(ASTM D2240-15)
Compression strength:	≥ 50 MPa	(ASTM C349-14)
Tensile strength:	9 MPa	(ASTM D638-14)
Flexural strength:	≥ 20 MPa	(ASTM C348-14)
Taber abrasion resistance:	≤ 120 mg (CS10/1000/1000)	(ASTM D4060-14)

Heat resistance:	Coating Thickness	Working temperature
	4 mm	-15°C to + 60°C
	6 mm	- 25°C to + 80°C

GUIDE TO APPLICATION:

Coating system: A primer layer of BestPrimer EP701, BestPrimer EP702, BestPrimer EP703, or BestPrimer EP601, BestPrimer EP602, BestPrimer EP603 or a primer layer of BestCoat PU800MF with a thickness of #1 mm.

A coating layer of BestCoat PU800MF of the thickness required by the design.

Surface preparation: The concrete surface has compressive strength: ≥ 20 MPa, tensile strength: ≥ 1.5 MPa, and must match the actual load of the floor. The floor surface must be flat, solid, and dry, and be sanded with a sander or ball shot before applying BestCoat PU800MF. Cracks and defective areas must be treated, repaired, and patched according to the correct procedure. Impurities, debris, and dirt must be cleaned properly.

Mixing: Preliminarily mix component A and add component B, mix well within 1 minute, add component C (according to the prescribed ratio), and mix with a stirrer or a dedicated mixer at slow speed (300 ÷ 500 rpm) for homogenization, the total mixing time is about 3 minutes.

Note: Do not split the volume, must mix the whole prepackaged set.

Application: Pour the mixed mixture onto the respective surface area in successive rows, with a width of about 180 ÷ 200 mm, then immediately use a suitable serrated scrubber to evenly spread and press the material according to the thickness, use specialized rollers to assist in compaction and uniform surface finish.

Note: BestCoat PU800MF must be installed by a team of professional workers who have been trained and certified by the manufacturer.

Caution:	BestCoat PU800MF flooring system is extremely resistant to residual surface moisture and can be applied directly onto 7 day-old new concrete, or onto good quality old concrete with high moisture content without the use of a primer if there is a damp-proof membrane in the structure.
Cleaning:	Use a dry cloth and the Best Thinner SC01 to wipe clean before the material is in a hard dry state.
Safety and health:	BestCoat PU800MF is not a type of dangerous chemical or flammable. However, it may cause an allergic reaction to sensitive skin with prolonged exposure. PPEs should be worn when using the product. When dropping to the eyes, nose, or mouth, you must immediately wash with clean water several times before going to the nearest medical facility for timely and proper treatment.

Disclaimer: *The technical information and manuals in the BESTMIX documents are based on our knowledge and practical experience. The information contained herein is of a general nature only. Before use, it is necessary to conduct tests to check the suitability of products for each specific requirement and purpose. BESTMIX reserves the right to change the physical parameters of the product without prior notice. The user should always refer to the product's latest technical documentation.*
