

May 2017 version

# BestCoat PU800MF

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

<b>Description:</b>	BestCoat PU800MF is a self-levelling Polyurethane Coating, high strength, anti-slipping, chemical resistance, solventless, high strength, abrasion resistance,...
<b>Recommended for:</b>	<p>BestCoat PU800MF is recommended for concrete or metal floors where a high required:</p> <ul style="list-style-type: none"> <li>• Clean and sterile rooms, operating rooms, hospitals, laboratories...</li> <li>• Pharmaceutical and cosmetic industries...</li> <li>• Food, drink, brewery and agricultural processing industries...</li> <li>• Electronic, computer, optics and accurate assembly plants...</li> <li>• Chemical, insecticide factories, kitchen rooms, child care centre...</li> </ul>
<b>Advantages:</b>	<ul style="list-style-type: none"> <li>• Meet the standard of microbiological, food safety, pharmaceutical, GMP, HACCP.</li> <li>• Excellent resistance to chemical attack, and abrasion. High supporting lot.</li> <li>• High anti-slipping in wet surface.</li> <li>• Easily to clean, maintain, mend and repair.</li> <li>• Reduces formation of bacterial growth and accumulation of dirt.</li> <li>• Odorless, non toxic.</li> </ul>
<b>PRODUCT DATA:</b>	
<b>Packing:</b>	26 kg/set.
<b>Shelf life:</b>	12 months from the produced date in the unopened pack.
<b>Color:</b>	<p>Yellow (RAL 1004), cream yellow (RAL 1014), orange-yellow (RAL 2010), red (RAL 3001), green (RAL 6010), grey (RAL 7037).</p> <p>Or mixing color on requested with a minimum quantity as regulation).</p>
<b>Consumption:</b>	2.00 kg/m <sup>2</sup> /mm thickness.
<b>Application temperature:</b>	<p>Minimum: +10°C (but above dew point temperature of 5°C)</p> <p>Maximum: +35°C</p> <p>Relative humidity Max: 75%</p>
<b>Mixing ratio:</b>	<b>See on the package</b>
<b>Pot-life time:</b>	15 minutes since mixing at 30°C
<b>Curing times:</b>	<p>Walkable: after 12 hours.</p> <p>Using normal: after 24 hours.</p> <p>Chemical resistance: after 28 days.</p> <p>Full cure: after 28 days.</p>

**Physical properties (samples after 28 days curing at 30°C):**

Compressive strength (MPa), (min.)	≥ 50	Flexural strength (MPa), (min.)	≥ 20
Bonding strength (MPa), (min.)	≥ 1,5 (Concrete failure)	Tensile strength	≥ 8
Abrasion resistance (mg) (CS10/1000/1000)	≤ 120	Shore D hardness (min.)	≥ 80

**Heat Resistant:**

Thickness	Temperature working
3 mm	-5 °C to +50 °C
6 mm	-40 °C to +60 °C

**APPLICATION:**

<b>Coating system:</b>	One full coat of BestPrimer EP701, BestPrimer EP702 or BestPrimer EP703. One full coat of BestCoat PU800MF with designed thickness.
<b>Substrate requirement:</b>	Compressive strength of concrete: $\geq 20\text{Mpa}$ , Tensile strength : $\geq 1.5\text{Mpa}$ . Concrete surfaces have to be smooth, dense, dry. The concrete floor shall be cure for minimum 28 days. Cracks and defects must be repaired according to requirements. Impurities, fragments and dirt must be cleaned properly. If the surface is metal, or wood ... then grease and rust must be completely removed and cleaned with BestThinner SC01.
<b>Mixing:</b>	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÷500 rpm) to mix material about 03 minutes or longer until material is homogeneous. <b><u>Note:</u></b> Should not split quantity of material.
<b>Application:</b>	Pour mixed compound on the corresponding surface area according each of furrows with width $200 \div 250$ mm, distribute and level the material with a notched trowel of the following specified notch size (depending on the specified thickness). Use a special roller to support self-leveling and remove air bubbles before material get hardening. <b><u>Note:</u></b> BestCoat PU800HF must be applied by a team of professional workers who have been trained and certified by the manufacturer.
<b>Cleaning:</b>	Clean tools, equipments with dry cloth and BestThinner SC01 before hardening.
<b>Safety:</b>	BestCoat PU800MF is a non toxic material. 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 product technical data sheet.*