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# BestSeal PU405

High elastic waterproofing membrane, polyurethane water-based, one component

<b>Description:</b>	BestSeal PU405 is a waterproofing compound, one component, polyurethane water-based with high elasticity. BestSeal PU405 will create a continuous membrane when curing, flexible with high elasticity, and prevent the permeable water of the material surface.
<b>Uses:</b>	BestSeal PU405 is used to waterproof items such as: <ul style="list-style-type: none"> <li>• Eaves, terrace, roof, toilet floor,...</li> <li>• Swimming pool, water tank, bridge surface, drainage pipe,...</li> <li>• Bottom, wall, wall of the basement, concrete structures underground,...</li> <li>• Sealing the hole of the tile, concrete cracks, joints, joint brick,...</li> </ul>
<b>Advantage:</b>	<ul style="list-style-type: none"> <li>• One component, no limited construction time and easy to use, save, no wasted material.</li> <li>• High adhesion to all material surfaces: Concrete, brick, mortar, plaster, fibro-cement, glass, tile, metal...</li> <li>• High elasticity should still ensure waterproof ability even though structure concrete appears as tiny cracks due to elasticity of temperature changes.</li> <li>• Alkaline resistance, water resistance, and endurance well under the weather, especially for UV rays. Can use outdoor, stable quality, long life-span.</li> <li>• Easy to apply with the available tools: Roller, brush, spray nozzle...</li> <li>• Using outdoor and indoor</li> <li>• Non-flammable, odorless, and non-toxic to construction humans and the environment.</li> </ul>

## SPECIFICATION

<b>Appearance:</b>	Smooth paste, light grey.
<b>Component:</b>	Polyurethane, admixtures, and minerals other.
<b>Density:</b>	1.35 ± 0.02 kg/liter.
<b>Packing:</b>	5; 25 kg/box.
<b>Consumption:</b>	0.5 ÷ 0.8 kg/m <sup>2</sup> /layer (depending on the purpose).
<b>Preservation:</b>	In a dry place with good ventilation, the ambient temperature is 5°C ÷ 35 °C.
<b>Shelf life:</b>	12 months from the date of manufacturing, in unopened conditions.
<b>Elongation to break:</b>	≥ 500% ( ASTM D412-16).
<b>Tensile strength:</b>	≥ 2.5 Mpa ( ASTM D412-16).
<b>Bonding strength:</b>	≥ 1.0 MPa (to concrete) ( ASTM D7234-12).
<b>Crack bridging ability:</b>	≥ 2.0 mm (BS EN 14981:2017).

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**INSTALLATION:****Surface preparation:**

- Surface concrete should be cleaned, with no dirt, no grease, no moss, and no mold....before applying.
- Uncertainty bonding points or coating, and old waterproofing locations should be removed by appropriate mechanical methods.
- Surface moisture  $\leq 5\%$
- For surfaces with high water absorption or high moisture content: BestPrimer AC406 should be applied before applying BestSeal PU405

**Application:**

- Use a brush or short roller (or a compressor nozzle) to apply strongly and evenly of BestSeal PU405 on the prepared surface.
- The application requirement must ensure to cover the whole waterproofing surface by BestSeal PU405.
- When applying the second layer, should apply a diagonal angle with the first layer to minimize the air entraining process between two layers while application.

**Notice:**

- Stir product before use.
- Should apply two layers at least, standby time between two layers from 12 – 48 hours.
- Do not apply in rainy weather. In case, it rains while applying, should stop applying and cover all applied locations.
- For surface contact frequently with mechanical impact, a cement-sand mortar coat should be applied (after 72 hours from the apply of the final coat) to protect BestSeal PU405 from mechanical impact damages to the surface structure of the material. BestSeal PU405 is self-cure.

**Cleaning:**

Clean tools and equipment immediately after applying, before the mixture's hardening. In the case of hardening, use the right mechanic methods to clean tools.

**Safety:**

The product can cause an allergic reaction to sensitive skin with long contact. Should wear gloves, masks, and glasses while applying the product. In case of contact with the eyes, nose, and mouth ... should be washed with clean water several times before going to the nearest medical facility for timely and correct adjustment.

**Disclaimer:**

*The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*

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