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BestSeal PU416

Polyurethane acrylic hybrid waterproofing membrane, exceptional flexibility.

Description:

BestSeal PU416 is a waterproofing compound, one component, chemical base polyurethane-acrylic hybrid with high elasticity. BestSeal PU416 will create a continuous membrane when curing, flexible with high elasticity, and prevent permeable water.

Uses:

BestSeal PU416 is used to waterproof items (new or old) such as:

- Outer wall, terrace, roof, toilet floor,...
- Swimming pool, water tank, bridge surface, drainage pipe,...
- Bottom, wall, wall of the basement, concrete structures underground,...
- Sealing the hole of the tile roof, concrete cracks, joints, joint brick,...

Advantage:

- UV ray resistance, excellent weather resistance.
- High adhesion to all material surfaces: concrete, brick, mortar, plaster, fibre-cement, glass, tile, metal...
- High elasticity should still ensure waterproof ability even though structure concrete appears as tiny cracks due to elasticity of temperature changes.
- Alkaline resistance, water resistance, and stable quality, long-term durability.
- Easy to apply with the available tools: roller, brush, spray nozzle...
- Nonflammable, odorless, non-toxic to humans and the environment.
- Do NOT contain VOC, environmentally friendly.

SPECIFICATION

Appearance:

Thick liquid/ Light grey, white, green, creamy yellow. Other colors may be required with a minimum amount.

Component:

Polyurethane-Acrylic hybrid, admixtures, and minerals.

Density:

~1.35 ± 0.02 kg/liter (ASTM D1475-13).

Packing:

5; 20; 25 kg/ pail.

Dosage:

0.3 ÷ 0.5 kg/m²/layer (depending on purpose).

Storage:

Place a cool, dry, and ambient temperature ò about 5°C ÷ 35 °C.

Shelf life:

12 months from the date of production if stored properly in original, unopened, and undamaged sealed packaging.

Elongation at break:

≥ 400% (ASTM D412); **Tensile strength:** ≥ 1.75 MPa (ASTM D412).

Bonding strength:

≥ 1.5 MPa (to concrete) (ASTM D7234).

Dry surface time:

~ 30 ÷ 60 minutes (at 30°C) depend on environmental condition.

Crack bridging ability:

≥ 2.0 mm (BS EN 14981:2017).

PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES

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INSTALLATION:

Surface preparation:

- The surfaces must be cleaned, and free from dirt, mud, grease, moss, and mold, before applying. Moreover unstable adhesions or old coatings and waterproofing materials must be completely removed by appropriate mechanical means. Surface defects must be properly repaired. Users could use a high-pressure hose for final cleaning.

Application:

- **Primer layer:** Dilute BestSeal PU416 with 10% ÷ 15% clean water (mix well) to apply primer or use BestBond AC301 (in case of coating on ceramic tiles, or glass...) with the rate of 0.25 ÷ 0.35 kg/ m².
- **Coating layer:** Using a brush, short-bristled roller (or pressure nozzle) apply strongly and evenly BestSeal PU416 on the surface after the primer has dried at the norm of 0.3 ÷ 0.5 kg/m²/layer depending on the requirements. require waterproofing (minimum 2 layers). When applying the second layer, it is recommended to do it in the diagonal or perpendicular direction to the first application to minimize the air entrainment process between the two layers of material as well as ensure the complete distribution of the material on the whole surface. Users can apply the 3rd layer when there is a high requirement for waterproofing ability.

Important notes:

- Stir the product at a slow speed (to avoid air bubbles) to ensure homogeneity before use.
- Should apply at least 02 layers, waiting time between two layers from 8 to 48 hours depending on weather conditions (ambient temperature, air humidity, wind flow...).
- Do not apply in rainy or very hot conditions (> 35°C).
- For surface contact frequently to mechanical impact, a cement-sand mortar coat mixed with BestLatex R114 or BestLatex R126 should be applied as directed (72 hours after application of the final coat) to protect BestSeal PU416 from mechanical impact damages the surface structure of the material.

Cleaning:

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