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BestSeal PU412

Elastic Bitumen-polyurethane waterproofing membrane, waterborne, one component.

Description: BestSeal PU412 is a water-based, hybrid Bitumen-polyurethane waterproofing substance, cold application. When Bestseal PU412 is cured it creates an elastic continuity membrane, good penetration resistance, and prevents water from penetrating through the material surface.

Application: Bestseal PU412 is used to waterproof the items such as:

- Terraces, roof floors, balconies, toilet floor; Swimming pools, water tanks, water supply, and drainage pipes.
- Bases, walls, basement walls, underground concrete structures. Flower and plant pots

Advantage:

- One component, no limit application time, easy to use.
- Ability to resist penetration well, good adhesion with most of the material surface....
- Good elastic so it's still sure that can be waterproof even when the concrete structure appears to small crack due to the change of dimension (shrinkage or stretchy) by temperature. Good resistance to Alkali, water, weather.
- Easy to apply with available tools: Roller, brush, pressure sprayer,....
- non-flammable, odorless, non-toxic to application people and environment...

SPECIFICATION

Appearance:	Brown thickened liquid (wet state) / Black (dry state).
Component:	Hybrid Bitumen Polyurethane and additive, other components.
Packaging:	4; 18 kg/drum.
Storage:	Keep in a cool and dry place, temperature is 5°C ÷ 35°C.
Shelf time:	12 months from the date of manufacturing.
Dosage:	0.4 ÷ 0.6 kg/m ² /layer (depend on using purpose).
Specific gravity @25°C:	1.25 ± 0.02 kg/liter (ASTM D1475-13).
Elongation at break:	≥ 300 % (ASTM D412).
Tensile strength:	≥ 2.5 MPa (ASTM D412) .
Bonding strength:	≥ 1.0 MPa (for concrete) (ASTM D7234)

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Crack bridging ability: $\geq 1.5 \text{ mm}$ (BS EN 14891:2017)

Dry time of surface: $\geq 60 \text{ minutes}$ (@ 30°C, thickness # 300 μm) (TCVN 6557)

INSTALLATION:

- Surpreparation:**
- The surface before application must be clean, and free from dirt, mud, grease, moss, and mold,...
 - Unsure material surface or old coatings, waterproofing materials, etc. must be completely removed by appropriate mechanical means.

Primer layer: Dilute BestSeal PU412 with 30%÷ 40% clean water (even stirring) to apply primer layer or using BestBond AC301 (in condition apply directly on the ceramic surface, glass,...) with the norm: 0.25÷ 0.35 kg/m².

Coating layer: Use a brush, short roller (or pressure sprayer) to apply strongly and evenly BestSeal PU412 on the surface that the primer layer has dried with norm 0.5 ÷ 0.6 kg/m²/layer depending on waterproofing requirement (minimum 2 coating layers). When applying the second layer, it should be done in the direction diagonal or perpendicular to the first application to minimize the air entraining process between the two layers of material as well as ensure the distribution of the entire covering material surface. A third layer can be applied when waterproofing is required highly.

- Application:**
- Stir the product well before using it. Should be applied a minimum of 2 layers, and the period between 2 layers from 12 to 48 hours (depending on environment condition: temperature, humidity, and wind convection,...).
 - Do not apply in rainy conditions. In case it rains during the application, the construction work should be stopped immediately and promptly to cover the application area from being directly affected by rainwater.
 - For the surface area frequently affected by mechanical impacts or UV rays, should be coated with a cement-sand mixture of BestLatex R114, BestLatex R126, or BestSeal B12 (after applying the last coat for 72 hours) to protect the BestSeal PU412 layer from damage.
 - BestSeal PU412 cure by itself, no need water to damp surface after application.

Cleaning: Cleaning tools, and equipment with clean water after finishing and before the product has been hardened.

Safety: The product is probably allergic to skin. Should wear gloves, mask, and work safety glasses when applying. In case of contact with eyes, nose, or mouth, rinse immediately by many times of clean water before going to the nearest medical authority to cure on time and right methods.

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.*

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