

OPTIMASTIC PU-BIT301

Anti-Root Bitumen – Polyurethane Modified Waterproofing

Product Description

OPTIMASTIC PU-BIT301 is a ready to use single component cold applied, moisture cured waterproofing and sealing product composed of bitumen – polyurethane modified polymers with added Preventol B2. It provides a protective elastomeric membrane that has long-lasting durability and absolute high performance waterproofing suitable for various type of applications.

Features

- Ease of application (brush, roller or spray)
- High & Low Temperature Resistance
- Seamless & Fast Cure
- Provides high levels of crack bridging
- Full surface adhesion
- Can easily be repaired if membrane is damaged
- Environmental friendly product
- Resistance to light root

Application areas

- Roof Decks with unexposed roofs
- Waterproofing of Balconies / Terraces
- Waterproofing of Wet areas (under tiles) in Toilet & Bath, Kitchens etc.
- Waterproofing of Basements & Tunnels,
- Flexible waterproofing under tiling for indoor or outdoor applications
- Plant Boxes

Processing Data

Mix Ratio (by volume)	Ready to Use	
Gel Time at 30 °C	30-45 mins	
Overcoat	For	Min.
		Max.
Full Cured	8 hours	
Rain Stability Time	4 hours	
Pot Life	30-45 mins	
Shelf Life	24 months	

Technical / Performance Data

Colors	Black Only
Elongation	600% ASTM D412
Hardness	Shore A 60 ASTM D 2240 (15")
Tensile Strength	Less than 3.51N/mm ² ASTM D412
Light-Heavy Pedestrian Traffic Time	24 hours cure time Conditions: 20°C, 50% R.H
VOC	92.4 g/L USEPA Method 24
Elasticity Modulus	2.36 N/mm ² ASTM D412
Puncture resistance	23.5 kgf ASTM E154
Water Vapor Absorption	1.48% ASTM D570-98
Crack Bridging	1-2mm cracks
Thickness	1mm DFT Required

Procedure & Guidelines

SURFACE PREPARATION

GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

CONCRETE / MASONRY

Cure for at least 28 days before application. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

PREVIOUSLY PAINTED SURFACES

Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.

MIXING

Stir well before application.

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APPLICATION

OPTIMASTIC PU-BIT301 is supplied ready to use. Apply first layer of the material, to achieve a dry film thickness of 0.5mm, material should be applied at 0.8-0.9kg/m², allowing a drying time of 3-4 hours before applying the 2nd coat depending on weather conditions. To achieve a dry film thickness of 1mm, apply 1.8kg/m² at two (2) coats. On vertical surfaces (ex. basement applications), apply in three coats.

Clean application tools and equipment with water while the material is still wet.

For all applications, Product requires to be applied with concrete topping. (for other detailed and demanding application, please contact Sealbond Technical personnel)

Theoretical Coverage

OPTIMASTIC PU-BIT301 weight
1.8 kgs/m² at 1mm thickness

Note: Above coverage are depending on the substrates per layer

Product is manufactured based on International Environmental Regulations

OPTIMASTIC PU-BIT301 is a green revolution product in waterproofing solutions.



Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information.

Product is for Professional use only.

Storage / Packaging

OPTIMASTIC PU-BIT301 is available in 22kg plastic pail

This product must be stored dry, protected from sun and rain. No waterproofing works should be performed if weather is unsuitable. These includes heavy rain and moisture

Product Limitations

Product can withstand heavy load but cannot withstand excessive abrasion.

Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemicals Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



A-2 Araneta St. Cor. Gen. Natividad St.
Bgy. Ibayo, Tipas Taguig City, Philippines

PH: (632) 881-8813 • (632) 883-1477 • (632) 845-0205
• (632) 843-4498 • (632) 845-0137
www.sealbondchemicals.com

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AUGUST 2018

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