

DESCRIPTION

BAYPROOF PU 3151® Is a Cold Applied Single Component Semi-Gloss Non-Yellowing Moisture Cure Clear and Transparent Waterproofing and Protective Coating Liquid Membrane

USES

BAYPROOF PU 3151® Is Suitable for Fixing:

- ☐ Dustproofing Sealer Over Concrete Flooring
- ☐ Damp-Concrete
- ☐ Topping Over Polyurethane and Acrylic Coatings
- ☐ Sand Stones & Marbles Back tileproofing
- ☐ Natural Stones & Granite Back tileproofing

ADVANTAGES

- ☐ Highly Elastic
- ☐ High Abrasion Resistance
- ☐ Crack Bridging > 3mm
- ☐ Rubber Like Membrane
- ☐ UV Resistant
- ☐ Anti-carbonation
- ☐ Stain Resistant
- ☐ Highly Durable
- ☐ Repair Friendly
- ☐ Low VOC

COMPLIANCE

Complies with ASTM D-412, DIN 52455, ASTM D 4541

MATERIAL DATA

Type	Polyurethane Resin
Form	BAYPROOF PU 3151 Form Clear and Gloss Finish BAYPROOF PU 3152 Form Clear and Matt Finish
Packing	1USG, 15KG & 200 ltr Drum
Storage	24 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	Test Method
Solid Content	70%	ASTM D 1353
Density	0.90 ±0.05	ASTM D 1475
Tensile Strength	>20 ± 3 N/mm ²	ASTM D 412
Shore Hardness D	>55	ASTM D 2240
Elongation at Break	>100	ASTM D 412
QUV Accelerated Weathering Test	Passed 2000 hours	ASTM G 53
Resistance to Bacteria	No Attack	ASTM D 4299
Resistant to Algae	No Attack	ASTM G 29
Water Vapor Transmission	<0.35 gm/m ² /day	ASTM E 96
Service Temperature	-20 to 75 °C	-

APPLICATION DETAILS

Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. Absorbent cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair.

Natural Stone, Granite, Marble & Sand Stone: the 5 dimensional surfaces should be sanded using a light sand paper or by light disc grinding machine.

Application

Apply 2 coats **BAYPROOF PU 3151®** at 0.1-0.15 ltr/m² directly to the prepared substrate after mixing the **BAYPROOF PU 3151®** with a slow speed mixer or Hand Mixing, then apply it using a notched trowel and spread the product evenly over the area. Apply two coats in order to avoid pinholes.

Topping: **BAYPROOF PU 3151®** can be applied in 2 coats over Liquid Polyurethane Based and acrylic Based Waterproofing Membrane after achieving Partial curing mechanism, using Brush or Roll.

Stamped Concrete: **BAYPROOF PU 3151®** can be applied as a sealer for Exposed Stamped Concrete and Dustproof in 2 coats.

Tile Protection: **BAYPROOF PU 3151®** can be applied in 1 or 2 coats over the 5 dimensional sides of the (Natural Stone, Granite, Marble & Sand Stone) and allow for 24 -48 hours curing period prior to installation. Don't apply as a topping on glazed surfaces to avoid potential peeling.

Important Note:

1. Allow for a complete and proper mixing, using highly cleaned tools.
2. Prior to any top coat application, allow for proper cleaning and continuous use of New or Highly cleaned brush or Roll, too avoid any bleeding or staining.

Method of Mixing:

For large volume mixing use a low speed drill and mix it for 1 min

Theoretical Spreading Rate

0.1-0.15 ltr/m²

Recoat: 3-4 hours

Curing

Initial Curing – Tack free: 30-40 min

Full Cure 24 hours

SAFETY

Protection Measures

BAYPROOF PU 3151® is Aliphatic Polyurethane based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap
- ☐ Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Transportation

Hazardous Material

Remarks

BAYPROOF PU 3151® should not be used directly on gypsum or gypsum board or under conditions of continuous immersion unless advised otherwise by the manufacturer and under specific conditions



WATERPROOF PRODUCT

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.