

# BPIR: Class 1

## Building product information sheet

### Bastion Waterproofing Membranes- Undertile, Exterior WPU, Rapid

#### **DESCRIPTION:**

Bastion Undertile, Exterior WPU, and Rapid are water-based liquid waterproofing membranes used to waterproof surfaces prior to the installation of tile and stone. They are designed for application to internal wet areas and exterior decks.

Bastion Waterproofing membranes are identifiable through a unique product code found on the packaging:

Rapid:

Undertile:

Exterior WPU:

#### **MANUFACTURERS DETAILS:**

**RLA POLYMERS PTY LTD**

**ABN:** 89 004 709 915

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria  
3137 (Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

#### **COMPLIANCE STATEMENT:**

These products meet the relevant building code clauses as class 1 products, ensuring they contribute to the overall compliance of construction projects. Bastion waterproof membranes are independently tested to AS/NZ 4858 Wet area membranes and AS/NZ 4654.1 Waterproofing membranes for above-ground use.

#### **COMPLIANCE CONTRIBUTIONS:**

**1. Clause B2 - Durability:** Bastion membranes are designed to maintain effectiveness throughout the building's intended lifespan, ensuring long-term durability.

**2. Clause E2 - External Moisture:** These membranes play a crucial role in preventing water ingress, protecting the building from moisture-related damage and ensuring the integrity of internal and external areas.

**3. Clause F2 - Hazardous Building Materials:** Bastion products undergo rigorous testing to ensure they do not contain harmful substances, contributing to a safe living environment.

**4. Clause G12—Water Supplies:** Effective waterproofing through Bastion membranes helps manage water within the building, preventing leaks and potential health risks.

By adhering to these standards and requirements, Bastion under-tile membranes ensure compliance with the New Zealand Building Code (NZBC) and provide reliable waterproofing solutions for both internal and external applications.

### **APPLICATION:**

When installing waterproof membranes in New Zealand using Bastion Membrane, follow these guidelines in conjunction with the product's Technical Data Sheet (TDS) to ensure compliance with the New Zealand Building Code (NZBC):

#### **1. Compliance with NZBC and Council**

##### **Requirements:**

Before starting surface preparation, ensure all work adheres to the New Zealand Building Code (NZBC) and local council requirements.

#### **2. Surface Preparation:**

Confirm that the substrate is clean, dry, and free from dust, oil, and grease contaminants. Repair any cracks or imperfections in the substrate to create a smooth surface for application.

#### **3. Priming:**

Apply a suitable primer to the substrate to enhance the adhesion of the waterproofing membrane.

Allow the primer to dry completely before moving forward.

#### **4. Application of Membrane:**

Carefully follow the manufacturer's TDS instructions for mixing and applying the membrane.

Apply the membrane in multiple coats, ensuring each coat is evenly spread and allowed to dry before the next is applied. Pay special attention to corners, joints, and penetrations, and use bond breaker

sealant/tapes and reinforcing fabric where necessary.

#### **5. Curing:**

Allow the membrane to cure fully according to the manufacturer's guidelines. Refer to TDS, which specifies certain temperature and humidity conditions.

#### **6. Inspection and Testing:**

Inspect the membrane for any defects or areas that may have been missed during application. Conduct a water test to confirm the membrane is fully waterproof and leaks-free.

#### **7. Tiling:**

Once the membrane is completely cured and has passed testing, proceed with tiling. Use appropriate tile adhesives and grouts that are compatible with the waterproofing membrane.

#### **8. Professional Installation:**

Ensure that the installation is carried out by a competent professional to guarantee proper application and compliance with all relevant standards and guidelines.

#### **9. Strict Adherence to Bastion Product TDS:**

Follow the Bastion product Technical Data Sheet (TDS) closely to ensure the product is used correctly and performs as intended.

By following these steps carefully, you can ensure a successful installation of Bastion waterproofing membranes, enhancing the building's compliance and durability.

### **LIMITATIONS:**

- Not compatible with solvent-based materials, adhesives/coatings
- Not to be used as a trafficable surface
- Not to be used as a finished membrane for UV-exposed applications
- Do not apply to areas where rain is imminent
- Do not apply when surface temperature is below 5°C or above 30°C
- Not to be applied over glass or glazed surfaces
- Not designed as a sealant for expansion or control joints
- Not to be used in areas where solvent or petroleum-based products may be spilled
- Not to be used in areas subject to negative hydrostatic pressure
- All finish coatings over this membrane must be water-based and solvent-free
- Safety Datasheet (SDS) available
- Any work involving structural changes seek consultation from building practitioner and local council
- For detailed advice on applications not mentioned in this document, contact the RLA Technical Department

**SHELF LIFE & STORAGE:**

- Product is best used within 12 months of purchase. However, the properties of the product will be unchanged if stored correctly
- Best stored at room temperature
- Do not store in direct sunlight
- Not affected by frost or cold floors

**HEALTH & SAFETY:**

Users must refer to the most recent Safety Data Sheet (SDS), which contains physical, ecological, toxicological, and other safety-related data, for information and advice on the safe handling, first aid, storage, and disposal of chemical products.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from using the product and must confirm its suitability by their tests. The Conditions of Sale contain a limited warranty against manufacturing defects.

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