

## Technical Data Sheet ISSUED SEPTEMBER 2022

### **PRODUCT DESCRIPTION**

WPA 200 is a highly flexible, two-part, rapid drying, cementitious waterproofing membrane, specifically designed for use under ceramic and stone tile finishes in bathrooms, balconies, roofs and some swimming pools.

WPA 200 combines the fast drying and excellent adhesion characteristics of traditional two-part membranes with the outstanding toughness, elongation and flexibility of next generation acrylic waterproofing membranes. It is UV resistant and is suitable for light (maintenance) traffic.

WPA 200 has excellent adhesion to concrete, cement render and most common Fibre Cement sheeting types. WPA 200 is to be used in conjunction with WPA Elastoband SG or WPA Butyl Tape for maximum performance and ease of application.

Recommended for:

- Bathrooms
- Laundries
- Balconies
- Rooftops
- Swimming Pools
- Planter Boxes
- Retaining Walls
- Non-Potable Water Tanks
- Waterproofing of areas subsequently covered by ceramic and stone tiles or resilient floor coverings

### **FEATURES AND BENEFITS**

- Class II membrane in accordance with AS 4858 and AS 4654.1
- UV resistant
- Suitable for light foot traffic
- Fast curing
- Compatible with a wide range of tile adhesives
- Permanently flexible
- Completely resistant to re-emulsification
- Excellent adhesion to a wide variety of substrates
- Suitable for spray applications

### **APPLICATION PROCEDURE**

#### **Substrates**

WPA 200 is suitable for concrete, render, screeds, block work, fibre-cement sheeting, wet area grade plasterboard, PAA certified structural and marine plywood and lightweight structural fibre cement sheeting.

Always contact the manufacturer if there is any doubt about the suitability of the substrate.



### **Preparation**

All surfaces to be waterproofed must be firm, clean, dry, sound and smooth. All laitance, grease, oil, wax, curing compounds, loose material, paint and any other contaminants which may reduce or prevent adhesion must be mechanically removed. Masonry surfaces must be pointed flush and surface defects repaired.

New concrete must be cured for a minimum of 28 days.

Render, cement screeds and core-filled block work must be cured for a minimum of 7 days.

Fibre cement sheeting, water resistant plasterboard, PAA structural and marine plywood and lightweight structural fibre cement sheeting must be installed in accordance with the manufacturers' installation requirements.

WPA 200 requires a suitable detailing system for all horizontal and vertical transitions. For optimal performance incorporate WPA Elastoband SG or WPA Butyl Tape at all transitions.

WPA 200 is suitable for use in concrete and masonry swimming pools, provided they are rendered and then primed using WPA 560 two part epoxy primer.

On retaining walls and in all Planter Box applications, WPA Drainage Cell must be installed to the entire waterproofed area, once the membrane has fully cured.

### **Crack Treatment**

WPA 200 cannot span gaps. For dynamic cracks/expansion joints and control joints, the use of the WPA Elastoband SG or WPA Butyl Tape systems are recommended. Contact the WPA Technical Department for further advice.

### **Priming**

Dry porous substrates must be primed with WPA 360 water-based or WPA SB solvent-based primers. Damp substrates with a RH of <75% must be primed with WPA 460 two-part epoxy primer. Substrates with an RH >75% must be primed with WPA 560 Moisture & Vapour Barrier.

Lightweight structural fibre cement sheeting must be primed with WPA 460 or WPA 560 two-part epoxy primer. Non-porous substrates, such as metals or PVC must be primed with WPA 160 Non-Porous primer.

Apply the primer to the prepared substrate using a brush or roller in accordance with the relevant product's Technical Data Sheet. Allow primers to fully dry prior to commencing the application of WPA 200.

## Technical Data Sheet ISSUED SEPTEMBER 2022

### Mixing

Add 10 litres of WPA 200 Liquid to a 20L bucket. Slowly add one 10kg bag of WPA 200 Powder while stirring with an appropriate mechanical mixer. Continue to stir until the mixture is lump free, and until a homogenous mix is obtained. Allow the mixture to slake for 5 minutes and restir.

If required, the mixture may be remixed every 20 – 30 minutes, however product that has been mixed and allowed to stand for longer than 2 hours, or has become very thick, should be discarded.

### Application

Using a brush, roller or airless spray, apply the first coat of WPA 200 after the primer has sufficiently dried. Apply an even and consistent coat of approximately 0.60mm wet film thickness.

Once the first coat has dried (4-8 hours), apply a second coat of WPA 200 at right angles to the first coat. Apply an even and consistent coat of approximately 0.60mm wet film thickness.

WPA 200 must be applied with a minimum of two coats to achieve a dry film thickness of not less than 1.0mm (1000 microns). Test the depth of coats with a wet film thickness gauge at regular intervals during installation.

**Note:** Retaining walls and planter box applications will require WPA Drainage Cell to be installed to the entire waterproofed area, once the membrane has fully cured.

### Performance Data and Physical Properties @23°C & 55% RH

- Allow 2-4 hours drying between coats
- Allow 72 hours drying prior to installing WPA Drainage Cell.
- Allow 7 days drying for swimming pools
- Allow 10 day drying with forced ventilation for water tanks.

### Wet Form

- Appearance .....Off White
- Mix Ratio..... 1:1
- S.G. of mixed product ..... 1.40

### LIMITATIONS

Do not apply **WPA 200**:

- Over damp, wet or contaminated substrates
- If it is raining or if rain is imminent
- Directly over any existing coatings
- Directly to particle board flooring (Ceramic tile underlay must be installed)
- As a high wear surface for foot or vehicle traffic
- Where ambient or surface temperatures are below 10°C or greater than 40°C
- To areas subject to negative hydrostatic pressure or rising damp (apply two coats of WPA 560 first)

To reduce the possibility of surface contamination, it is recommended that tiling be carried out as soon as the membrane has cured.

### Clean Up

Tools and minor spills can be cleaned with water while product is still wet. Cured WPA 200 can be cleaned by mechanical means.

### Packaging

40Kg Kit (20 litre liquid 2 x 10kg powder).

### Coverage

1.2 litres per m<sup>2</sup> at 1mm dry film thickness (23m<sup>2</sup> per kit).

The coverage figures are theoretical due to wastage and depending on the porosity and profile of the substrate, coverage figures may be reduced.

### Shelf Life

Unopened pails can be stored for up to 12 months in a cool, dry and weatherproof environment. If stored at high temperatures, the shelf life may be reduced.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

### Inhalation

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if symptoms persist.

### Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

If swelling, redness, blistering or irritation occurs seek medical assistance.

### Eye Contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### Ingestion

Rinse mouth with water. If swallowed, do **NOT** induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

### Notes To Physician

Treat symptomatically.

### Spills

Prevent from entering drains or waterways. Absorb with sand, earth or spill control material. Collect in properly labelled containers for disposal in accordance with local statutory requirements.

## Technical Data Sheet ISSUED SEPTEMBER 2022

### **WARRANTY CONDITIONS**

Bayset Pty Ltd trading as Waterproofing Products Australia (Bayset) offers a limited warranty in respect of this product, subject to certain terms and conditions set out in the warranty documentation which has been made available at [www.bayset.com.au](http://www.bayset.com.au). Please contact Bayset directly to obtain a copy of the warranty documentation relevant to this product.

### **DISCLAIMER**

The technical information and application advice given in this Technical Data Sheet is based on the present state of Bayset Pty Ltd's best scientific and practical knowledge and is intended to give a fair description of the product and its capabilities. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the product's suitability for a particular application and that the product is not used beyond its physical limitations. The user is responsible for checking the suitability of products for their intended use.

### **\*NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by Waterproofing Products Australia either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Waterproofing Products Australia, are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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Author	SR

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For latest revision, check our website at [www.bayset.com.au](http://www.bayset.com.au)

This is a CONTROLLED document under WPA's Quality System.