

Technical Data Sheet ISSUED SEPTEMBER 2026

PRODUCT DESCRIPTION

WPA 1 is a high-performance, super versatile, elastomeric waterproofing membrane. Water-based and utilising advanced polyurethane technology, WPA 1 offers a complete waterproofing system for a broad range of under tile, fully exposed and subterranean applications.

Recommended for:

- Below ground applications including, retaining walls and planter boxes
- Internal wet areas, bathrooms, laundries, etc
- Podiums, balconies, decks and terraces
- Exposed roof applications subjected to light pedestrian and maintenance traffic only
- Parapets and feature walls

FEATURES AND BENEFITS

- Class III membrane in accordance with AS/NZS 4858 and AS 4654.1
- Conforms to ISO 13007.5
- Rapid drying and rapid curing properties
- Built-in root inhibitor
- Low VOC content
- Excellent adhesion properties
- Non-hazardous, solvent free
- Excellent weather and UV resistant properties

APPLICATION PROCEDURE

Substrates

WPA 1 is suitable for concrete, render, screeds, blockwork, fibre-cement sheeting, wet area grade plasterboard, lightweight structural flooring, PAA certified structural and marine plywood.

Always contact the manufacturer if in any doubt about the suitability of substrates.

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 and cement screeds must be cured for a minimum of 7 days.

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

Transitions, Cracks & Joints

WPA 1 requires a fillet using WPA MS or WPA SPUR sealant at all horizontal and vertical transitions.

For optimal performance, replace the WPA MS or WPA SPUR with either WPA Elastoband SG or WPA Butyl Tape at all transitions.

For cracks less than 1mm, clean cracks thoroughly before filling with WPA MS or WPA SPUR. WPA 1 cannot bridge gaps.

For dynamic cracks/expansion joints and control joints, the use of WPA Elastoband SG is recommended.

Contact the WPA Technical Department for further advice.

Priming

Dry porous substrates can be primed with WPA 360 or WPA 460+ primers.

Damp substrates with an RH of <75% must be primed with WPA 460+.

Substrates with an RH >75% must be primed with WPA 560 Moisture Seal.

Green cementitious screed can be primed with WPA 260.

Non-Porous substrates such as metals or PVC must be primed with WPA 160.

Lightweight structural flooring must be primed with WPA 460+.

Apply the primer to the prepared substrate by using a brush or roller in accordance with the relevant product's Technical Data Sheet. Allow the primer to fully dry prior to commencing the application of WPA 1.

Application

WPA 1 must be applied in accordance with the applicable provisions of the National Construction Code.

Prior to application, stir the contents thoroughly. Using a brush or roller, apply the first coat of WPA 1 after the primer has sufficiently dried. Apply an even and consistent coat of approximately 0.75mm wet film thickness.

Once the first coat has dried, apply a second coat of WPA 1 at right angles to the first coat. Apply an even and consistent coat of approximately 0.75mm wet film thickness.

WPA 1 must be applied with a minimum of two coats to achieve a dry film thickness of not less than 0.9mm DFT (900 microns).

Test the depth of coats with a wet film thickness gauge at regular intervals during installation.

Note: Rolling of the membrane at right angles is best practice where possible but not essential to the membrane performance or warranty.

Technical Data Sheet ISSUED SEPTEMBER 2026

Performance Data and Physical Properties @23°C & 50% RH

- Allow 1-2 hours between coats.
- Allow 24 hours before flood testing.
- Allow 4-6 hours cure time prior to tiling.
- Allow longer drying times in cooler or damp weather conditions.

Wet Form

- VOC: 53 grams/litre
- Appearance: Grey
- Dry solid content: >70% by weight

Cured Film

Adhesion Properties

- Elongation: >300%
- Water vapour transmission: 2.71 grams/m²/24hrs

LIMITATIONS

Do not apply **WPA 1**:

- Over damp, wet or contaminated substrates
- If it is raining or if rain is imminent
- Directly over any existing coatings
- Directly over particle board flooring. (Ceramic tile underlay must be installed).
- Where the ambient or surface temperatures are below 10°C or greater than 35°C.
- To areas subject to negative hydrostatic pressure or rising damp.

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

Clean Up

Clean tools and equipment with warm water and detergent while the membrane is still wet. Cured WPA 1 can be cleaned with an alcohol-based solvent or by mechanical means.

Packaging

15 litre plastic pails.

Coverage

1.5 litres per m² at 0.9mm dry film thickness (10 m² per drum).

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.

SAFETY INSTRUCTIONS

For instructions on the safe use of WPA 1 please refer to the latest version of the Safety Data Sheet available from our website www.wpa-us.com.au.

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. 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 Bayset Pty Ltd (trading as 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	
Product	WPA 1
Initial Issue	September 2026
Author	SR

Technical Data Sheets are subject to change without notice. For latest revision, check our website at www.wpa-us.com.au

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