

Technical Data Sheet ISSUED DECEMBER 2023

PRODUCT DESCRIPTION

WPA 992 is a thixotropic, one-part, liquid applied, moisture cured polyurethane waterproofing membrane, suitable for waterproofing most non-exposed applications. WPA 992 cures to form a seamless, tough, durable, elastomeric waterproofing membrane. WPA 992 has excellent adhesion to most suitably primed building substrates and is suitable for above and below ground applications.

Recommended for:

- Internal wet areas, balconies and decks
- Retaining walls*
- Planter boxes*

*The addition of WPA 992 Root Inhibitor Additive is required.

FEATURES AND BENEFITS

- Class III membrane in accordance with AS/NZS 4858 and Class II membrane in accordance with AS 4654.1
- Fast drying
- Tar and bitumen free
- Permanently flexible
- Good chemical resistance
- Excellent adhesion to a wide variety of substrates
- Single pack

APPLICATION PROCEDURE

Substrates

WPA 992 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.

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 992 requires a fillet (bond breaker) using WPA FC sealant at all horizontal and vertical transitions.

For optimal performance, incorporate WPA Elastoband SG or WPA Butyl Tape at all transitions.



Static Crack Treatment

For static cracks less than 1mm, clean cracks thoroughly before filling with WPA FC. WPA 992 cannot span gaps. For dynamic cracks/expansion joints and control joints, the use of WPA Elastoband SG or WPA Butyl Tape systems is recommended. Contact the Bayset Technical Department for further advice.

Priming

Dry porous substrates must be primed with WPA SB solvent-based primer or WPA 460 two-part water based primer. 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 Seal. Lightweight structural fibre cement sheeting must be primed with WPA 460 or WPA 560 Moisture Seal.

Priming Non-Porous Substrates

1. WPA SB Primer is recommended for non-porous plastic and metal substrates (Except HDPE).
2. Prime all plastics and metallic non-porous substrates with WPA SB Primer using the two-cloth method described below.
3. UPVC outlets and pipe work: brass, copper fittings, stainless steel trays and flashings.

Two Cloth Method – WPA SB Primer Application

- Dampen a clean and dry cloth with WPA SB Primer and spread evenly over the non-porous substrate using a cleaning/rubbing action.
- With a second clean and dry cloth, immediately wipe all primer residue off with a buffing action.
- Allow the substrate to dry for a minimum of 5 minutes before installing WPA 992.
- Do not leave the primer longer than 4 hours before applying sealant/adhesive.
- Re-prime if 4 hours has elapsed without applying WPA 992.
- Clean and re-prime if the primed surface is contaminated before WPA 992 is applied.

Application

WPA 992 must be applied in accordance with the applicable provisions of the National Construction Code.

Ensure product is mixed thoroughly prior to use. Using a brush or roller, apply the first coat of WPA 992 after the primer has sufficiently dried. Apply an even and consistent coat of approximately 0.75mm wet film thickness.

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Once the first coat has dried, apply a second coat of WPA 992 at right angles to the first coat. Apply an even and consistent coat of approximately 0.75mm wet film thickness.

WPA 992 must be applied with a minimum of two coats to achieve a dry film thickness of not less than 1.2mm (1200 microns). Test the depth of coats with a wet film thickness gauge at regular intervals during installation.

When treating retaining walls and planter boxes, the area above natural ground level must be treated with WPA 230UV prior to the installation of the WPA 992 membrane. 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 if WPA 992 Root Inhibitor is not utilized.

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

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

- Allow 24 hours between coats.
- Allow 48 hours drying prior to covering with cement screeds.
- Allow 72 hours prior to the installation WPA Drainage Cell.
- Allow 7 days to fully cure.

Wet Form

- Appearance.....Charcoal
- Solids content.....80%

LIMITATIONS

Do not apply **WPA 992**:

- 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 wearing surface for foot or vehicle traffic
- As an exposed membrane
- In swimming pools, spas, tanks or ponds
- Where the surface temperature is below 10°C or greater than 35°C
- To areas subject to negative hydrostatic pressure or rising damp
- Do not install tiles directly over WPA 992, a engineered self supporting screed must be installed.

Clean Up

Avoid spills. Equipment should be immediately cleaned with Xylene Solvent. Clean skin and hands using RLA Handy Wipes.

Packaging

WPA 992 is available in 15 litre pails.

Coverage

- 1.5 litres per M² at 1.2mm dry film thickness (10M² 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 992 please refer to the latest version of the Safety Data Sheet available from our website www.wpa-us.com.au.

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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. 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	
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Author	SR

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For latest revision, check our website at www.wpa-us.com.au

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