

Technical Data Sheet ISSUED MAY 2025

PRODUCT DESCRIPTION

WPA Hydrophilic Waterstop is a new generation, self-adhesive, high performance acrylic polymer base expanding hydrophilic water-stop. It's designed to stop water ingress through cast in place concrete structures, and expand when in contact with water to form a positive seal against the concrete surface. WPA Hydrophilic Waterstop will shrink back to its original size when it dries and will re-expand once wet.

USAGE AREAS

WPA Hydrophilic Waterstop is used for sealing low movement and static construction joints for both horizontal and vertical applications including cold joints, wall to base connections, penetrations, sealing of openings and interface sections between existing and new concrete surfaces.

FEATURES AND BENEFITS

- Easy to install with no priming required
- Self-adhesive backing
- Lightweight
- Easily handled rolls
- Suitable for both fresh and salt water installations

DESIGN CRITERIA

WPA Hydrophilic Waterstop can be installed directly to the concrete surface or into a formed rebate.

It is recommended that a smooth surface is provided for optimal performance, however a slightly irregular surface can be accommodated.

Ensure the minimum of 75mm concrete cover from the outer face of the WPA Hydrophilic Waterstop to the concrete edge is achieved.

Substrates

All concrete surfaces to receive the WPA Hydrophilic Waterstop must be firm, clean, dry, sound and smooth. All laitance, loose material, and any other contaminants which may reduce or prevent adhesion must be removed.

Application Procedure

Place the WPA Hydrophilic Waterstop in the appropriate position on the substrate.

Carefully remove the protective backing tape from the adhesive side and apply moderate pressure to the entire length of the WPA Hydrophilic Waterstop pressing firmly to the substrate.

Roll or cut ends are to be tightly butt joined to create a continuous seal.

Once installed check to make sure the WPA Hydrophilic Waterstop is firmly adhered to the substrate.

Rough surfaces must be repaired with an appropriate epoxy mortar mix, concrete placement can commence once the WPA Hydrophilic Waterstop has sufficiently bonded to the substrate.

Care should be taken during the placing of concrete ensuring the WPA Hydrophilic Waterstop is not displaced.

Performance data and Physical Properties

Form	Pliable rubber strip
Dimensions	
WPA HW 2005 (Red)	20mm x 5mm
WPA HW 2010 (Blue)	20mm x 10mm
Minimum concrete coverage	
WPA 2005	50mm
WPA 2010	75mm
Application temperature	-10°C to +50°C
Water pressure resistance (14 days)	7 bar

LIMITATIONS

Do not apply WPA Hydrophilic Waterstop:

- If it is raining or if rain is imminent.
- Over contaminated or wet substrates.
- To substrates with ponding water.
- Leave exposed to inclement weather conditions which may cause the WPA Hydrophilic Waterstop to prematurely expand.
- If premature expansion occurs allow the WPA Hydrophilic Waterstop to fully dry before proceeding or replace if necessary.
- For further information about this product contact the WPA Technical Department.

Packaging

WPA Hydrophilic Waterstop is available in:

- WPA HW 2005: 20 metre roll (7 rolls per carton)
- WPA HW 2010: 10 metre roll (7 rolls per carton)

Shelf Life

24 months in its original moisture-proof wrapping, in cool dry environment away from direct sunlight.

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SAFETY INSTRUCTIONS

For instructions on the safe use of WPA Hydrophilic Waterstop 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 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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