

## Technical Data Sheet ISSUED APRIL 2025

### **PRODUCT DESCRIPTION**

WPA GW is a single-component, hydrophilic, gunnable grade waterstop. WPA GW is formulated for sealing construction joints, pipe penetrations and other concrete joints of smooth and uneven surfaces. The material cures and swells in the presence of moisture or water, thereby creating a compression seal. Curing time decreases with higher temperatures and greater relative humidity.

WPA GW will cure in approximately 24 to 36 hours, depending on the ambient climate.

Recommended for:

- Irregular, rough and smooth surfaces
- Sealing construction joints of cast in-place or precast concrete
- Uses including manholes, culverts, cable ducts, pipes and more
- Sealing sheet pile knuckle joints
- Sealing between waterstop strips and rough concrete surfaces

### **FEATURES AND BENEFITS**

- Solvent free
- Easy application
- Good adheres to concrete, PVC, HDPE and steel
- Suitable for irregular surfaces
- Suitable adhesive for WPA 2010 and 2005 waterstops

### **APPLICATION PROCEDURE**

#### **Suitable Substrates**

All surfaces must be clean, dry, firm and sound. All laitance, grease, oil, wax, curing compounds, loose material, and any other contaminants which may reduce or prevent adhesion must be removed.

#### **Application**

WPA GW should be dispensed from the sausage by means of a hand or battery-operated caulking gun designed for such application. Clip the end of the sausage to remove the crimp bead and place the sausage with pierced end located at the top of the nozzle and screw top of nozzle and housing on barrel of gun. Using the trigger on the gun extrude product from the sausage to stop product flow, using the thumb to depress the catch plate mechanism located at the very rear of the gun, directly above the trigger.

Apply WPA GW in a continuous uninterrupted minimum bead of 10mm to the middle of the joint or precast element. The concrete cover must be at least 75mm on all sides to avoid cracks from the pressure of the swelling material.

In very wet conditions (heavy rain), the concrete pour should

begin within 2 hours of application to prevent the material from premature swelling, which may result in reduced effectiveness of the product.

### **Performance Data and Physical Properties**

- Appearance: ..... Grey Thixotropic Paste
- Solids: ..... 100%
- Skin Time: ..... 30-60 minutes
- Flash Point: ..... 130°C ASTM D93
- Tensile Strength: ..... 300-320psi ASTM D412
- Resistance to hydrostatic pressure ..... >100m

### **LIMITATIONS**

Do not apply **WPA GW**:

- In movement joints.
- Must be installed in the centre of the concrete structure
- Must have a minimum of 75mm concrete cover
- 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 GW to prematurely expand.
- If premature expansion occurs allow the WPA GW to fully dry before proceeding or replace if necessary.
- For further information about this product contact the WPA Technical Department.

### **Clean up**

Uncured material and equipment can be cleaned immediately after use using RLA Handy Clean Towels. Cured material can be removed by mechanical means only.

### **Packaging**

600ml sausage.

### **Coverage**

The below coverage is approximate and is dependent on substrate conditions and bead dimensions.

10x10mm bead – 6.0 lm.

### **Shelf Life**

Can be stored for up to 12 months, when stored in original unopened packaging in a cool, dry environment. If stored at high temperatures, the shelf life may be reduced.

### **SAFETY INSTRUCTIONS**

For instructions on the safe use of WPA GW gunnable waterstop please refer to the latest version of the Safety Data Sheet available from our website [www.wpa-aus.com.au](http://www.wpa-aus.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](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 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.

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