

## Technical Data Sheet ISSUED MAY 2019

### **PRODUCT DESCRIPTION**

**WPA SPUR** is a high quality, professional, universal, low modulus sealant based on hybrid technology. **WPA SPUR** cures under the influence of atmospheric moisture and is free of solvents and isocyanates with a very low VOC content. When cured it forms a tough, flexible seal and bond, capable of cyclic expansion and compression movement. Joints or fabrications formed with this sealant can be expected to extend and compress a total of 50% ( $\pm 25\%$ ) of original joint dimensions to ASTM C719.

**WPA SPUR** is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra-violet radiation, ozone, atmospheric contamination and pollution. Its excellent weathering ability enables it to retain its original properties after years of exposure. Its physical properties remain relatively unchanged over a wide service temperature range.

**WPA SPUR** is recommended for sealing:

- In situ concrete and render
- Precast and tilt up panels
- Brickwork and block work
- Plasterboard face and paper lined recessed edges
- Fibre cement sheet
- Aluminium windows
- GRC, fiberglass and mostly specialty panel systems
- Treated timber
- Stainless steel
- A variety of plastics

**Note: Adhesion test of the substrate is recommended prior to proceeding with the project application.**

### **FEATURES**

- Excellent adhesion without primer to most, even damp, surfaces
- Low modulus ( $\pm 25\%$  joint movement)
- Moisture curing, almost odourless
- Free of isocyanates, solvents and silicones
- No shrinkage
- No bubbling
- Good resistance to UV, water and weather
- Permanently elastic
- High mechanical resistance

### **APPLICATION PROCEDURE**

#### **Surface Preparation**

All substrates should be clean of all foreign matter and contaminants such as surface dirt, dust, grease, oil, frost, water, old sealants and any protective coatings. Dust, loose particles, etc. should be blown out of joints with oil free compressed air or vacuum cleaned. If necessary, rub down metal surfaces beforehand. Clean the substrates after rubbing down. Allow the substrate to dry after cleaning/degreasing. Most metal surfaces can be cleaned with IPA or MEK. **WPA SPUR** has excellent adhesion to most common substrates, all usual building substrates, treated timber, PVC, Plastics.

Ensure an application temperature within +5 to +40°C (applies to environment and substrates).

#### **Priming Porous Substrates**

- Absorbent or porous substrates will allow a bead of water to easily soak into and wet out the surface of the substrate.
- Porous substrates not subject to immersion or ponded water, e.g. vertical expansion joints in concrete or masonry structures, do not require priming if clean, dry and uncontaminated.
- For maximum performance on porous surfaces and, in all periodically immersed and submerged applications, use WPA SB Primer.

#### **Priming Non Porous Substrates**

- Metal substrates must be free of all rust, scale or oxide film.
- Clean all plastics and metallic non-porous substrates with MEK or IPA, using the two-cloth method described below. E.g. UPVC outlets and pipe work, brass, copper fittings, stainless steel trays and flashings, PVC, ABS, Polyamide, fibreglass and polyester.

#### **Two Cloth Method – Solvent Wipe**

1. Dampen a clean and dry cloth with MEK or IPA and spread evenly over the nonporous substrate using a cleaning/rubbing action.
2. With a second clean and dry cloth, immediately wipe all solvent residues off with a buffing action.
3. Allow the substrate to dry for a minimum of 5 minutes before installing **WPA SPUR**.
4. Repeat the above process if the surface is contaminated before **WPA SPUR** is applied.

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### Application

**WPA SPUR** when used as an adhesive or sealant 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 and place the complete sausage with the pierced end located at the top of the nozzle and screw top of nozzle and housing onto barrel of gun. Using the trigger on the gun, extrude product from the sausage. To stop product flow, using the thumb depress the catch plate mechanism located at the very rear of the gun, directly above the trigger.

Apply **WPA SPUR** in a continuous motion using enough pressure to correctly fill and seal the joint. Tool off the surface of the sealant with an appropriately sized spatula or trowel. Apply sufficient pressure to leave a smooth, consistent surface and ensure maximum contact with the interface of the joint.

- Always use a backing rod for correct sealant geometry and contact with the substrate
- Prime after the installation of the backing rod
- Ensure maximum adhesion to bond face
- Minimum allowable joint depth is 5mm
- Maximum allowable joint width is 50mm
- Depth to width ratio of 1:1 up to 12mm wide and 1:2 from 12-50mm wide.
- Tool sealant to achieve concave shape
- Remove any masking tapes prior to sealant curing

### Mixing

No mixing is required, simply use directly from the sausage.

### Coverage

The estimated lineal metre yield per pack size is recommended in the following table. No allowance has been made for waste or irregular joint geometry.

Joint Size (D x W)	600 ml Sausage
5mm x 5mm	20 lm
10mm x 10mm	6 lm
10mm x 20mm	3 lm
25mm x 50mm	0.48 lm

Calculation Formula  $(W \times D \times L) / 1000 = \text{Litres}$   
 $\text{Litres} / 0.6 = \text{No of 600ml Sausage}$

W = Width (mm)     D = Depth (mm)   L = Length (metres)

### Important Notes

**WPA SPUR** should not be used:

- In chlorinated areas such as swimming pools, spas etc.
- As a glazing sealant.
- To green masonry surfaces. (28 day cure is required)
- At temperatures below 5°C or above 40°C.
- To PMMA, PTFE, polypropylene, polyethylene or polycarbonate.
- Onto or near any bituminous products.

As all substrates and conditions are different, it is strongly recommended that the applicator or end user conducts their own tests and ensures the product meets their own end use requirements.

### Paintability

**WPA SPUR** is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. If **WPA SPUR** is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use. For best results, we recommend painting within a few days of application.

### Typical Properties

Tack Free Time (minutes)	30 minutes @ 23°C, 50%RH
Appearance	Non-sag smooth thixotropic paste
Cure System	Moisture Curing
Flammability	Non Flammable
Rate Cure in mm/24hrs	2.5mm
Joint Movement ASTM C719	± 25%
Elongation at Break	350%
Application Temp	5°C to 40°C
Hardness Shore A	25
Colour	Grey
Suitable Joint Width	Up to 50mm
Paintable Approx.	After full cure
Service Temperature	-30°C to +70°C
VOC Content	10.8g/litre

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### Storage and Shelf Life

Store between 5°C and 25°C. Shelf life is fifteen months in original unopened sausage.

### Clean-Up

The use of protective goggles, barrier creams and ointments, gloves, and protective clothing is recommended. Clean up uncured material and equipment immediately after use using Handy Clean Wipes. Do not use Wipes on skin. Cured material can be removed by mechanical means only.

Empty cartridges and foils may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Collect and seal in a properly labelled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways.

### Packaging

WPA SPUR is supplied in 600ml sausages, 20 per carton.

### Health and Safety

Avoid breathing dust, fumes, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves, eye/face protection.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.

SDS can be downloaded from [www.wpa-us.com.au](http://www.wpa-us.com.au)

### WARRANTY CONDITIONS

Waterproofing Products Australia (WPA) warrant this product for 10 years provided the application is in accordance with our written directions for use and the relevant Australian Standards have been followed. The representations and recommendations regarding this product are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made due to the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, this product is sold with a limited warranty only, and on the condition that purchasers will carry out their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Waterproofing Products Australia be liable to anyone except for replacement.

### IMPORTANT

The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed provided it is applied in accordance with our instructions as

stated in this data sheet and any relevant Standard or Code, and provided the building and installation is structurally sound. WPA terms and conditions of sale apply.

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this WPA publication is based on the present state of our best scientific and practical knowledge. 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. 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 WPA either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not WPA, are responsible for carrying out procedures appropriate to a specific application.

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