

# Urochem 500 HP SL

## SINGLE COMPONENT HIGH PERFORMANCE SELF-LEVELLING ULTRA LOW MODULUS HYBRID SEALANT

### DESCRIPTION

**Urochem 500 HP SL** is a high-performance, self-levelling, ultralow modulus moisture curing sealant, based on hybrid technology which is both isocyanate and VOC free. It has a good cure rate, excellent moisture, and oxidation resistance, and exhibits excellent adhesion to various substrates, for example, concrete/concrete, concrete/steel, concrete/asphalt, steel/asphalt.

Specifically designed to seal high movement joints that are subject to thermal and/or shear movement due to traffic loading.

It has an extremely low modulus and high elongation and is recommended for use in joints where extreme movement is anticipated. (100% of initial joint width up to 60mm, thereafter 50% of initial joint width)

### PRODUCT APPLICATION

- **Urochem 500 HP SL** is primarily intended for use in expansion joints on bridges that vary in width from 25 to 76 mm at the time of sealing.
- **Urochem 500 HP SL** can be used as an expansion joint sealer in both new and remedial applications.
- **Urochem 500 HP SL** can be used for irregular joints and in joints where minor spalling has occurred.
- It can be used externally in road joints if it is recessed by a minimum of 5mm to avoid tyre wear (Mechanical damage). The wider the joint, the deeper the recess.
- It provides medium chemical, wear and corrosion resistance, while at the same time curing to a <5 Shore A hardness.
- Jet blast resistant.

**Not for use in water retaining structures.**



**Urochem Trading (Pty) Ltd**

Unit XP2, AEL Industrial complex, Cnr Ecqip and Weighbridge  
Modderfontein, Gauteng; 1645

(+27) 11 608 2073 • [www.urochem.co.za](http://www.urochem.co.za)

### SURFACE PREPARATION

All surfaces to be clean sound and dry, free of moisture, dust, laitance, and oil. For any technical queries, please contact a Urochem Consultant.

### APPLICATION

- Place sausage in the barrel gun, cut end off sausage and fit the nozzle; trim the tip to suit the joint spacing to be filled. Insert backing rod to the correct depth. Gun the product into prepared joints and smooth with a dry spatula if required. The joint width should be designed to accommodate the expected movement, the joint ratio for 6 – 10mm wide joints is 1:1 thereafter a ratio of 2:1 should be respected.
- **Note a minimum width of 6mm and a maximum of 76mm should be adhered to.** A backing cord/bond breaker should be used depending on application, to prevent three-sided adhesion.

### CLEANING

Clean all tools and equipment immediately after use with **Urochem 901**, as the cured material is difficult to remove.

### SAFETY

Contact with the skin should be avoided by wearing gloves, eye protection and protective clothing. In case of eye contact wash well and obtain medical advice.

# Urochem 500 HP SL

## SINGLE COMPONENT HIGH PERFORMANCE SELF-LEVELLING ULTRA LOW MODULUS HYBRID SEALANT

### TYPICAL PROPERTIES – AS PER UROCHEM QC

The below properties are based on in-house testing methodologies.

<b>Mixing Ratio</b>	Single component
<b>Skin over time</b>	1-2 Hrs dependant on RH, temp & thickness
<b>Practical Cure</b>	± 2mm per day dependant on RH & temp
<b>Hardness</b>	< 5 Shore A
<b>Tensile strength</b>	0.8 – 1.5 Mpa
<b>Colour</b>	Grey
<b>Density</b>	1.1 Cured
<b>Movement accommodation</b>	+ 100 % -50% of initial joint width ***
<b>Shelf Life</b>	12 Months
<b>Application Temp.</b>	5 – 35°C
<b>Service Temp.</b>	-15°C to +120° C
<b>Pack Size</b>	600 ml sausages, 2,5 Lt bucket, 5 Lt bucket
<b>Cleaning</b>	<b>Urochem 901</b>
<b>Storage</b>	Store in a cool dry place

\*\*\* Movement accommodation for joints 60mm and wider +50% – 25%

### APPROXIMATE COVERAGE

Joint Dimension:	LM per 600ml:
6 x 6mm	16.6
8 x 8mm	9.38
10 x 10mm	6
12 x 6mm	8.33
15 x 8mm	5

The information and recommendations relating to the application and end-use of **Urochem Trading (Pty) Ltd.** products, are given in good faith based on our current knowledge and experience of our products. **Urochem Trading (Pty) Ltd.** cannot accept any liability either directly or indirectly arising from the use of our products, as we have no direct or continuous control over where and how our products are stored and applied. Field service provided does not constitute supervisory responsibility. Users must test the efficacy of the product for their specific application, as no guarantee is expressed or implied. **Urochem Trading (Pty) Ltd.** reserves the right to change the properties of its products at any time without notice therefore users must always refer to the most recent issue of the specific Technical Data Sheet or contact one of our Technical Advisors before use.

### FOR PROFESSIONAL USE ONLY



#### Urochem Trading (Pty) Ltd

Unit XP2, AEL Industrial complex, Cnr Ecqip and Weighbridge  
Modderfontein, Gauteng; 1645

(+27) 11 608 2073 • [www.urochem.co.za](http://www.urochem.co.za)