

Urochem 501 HP

SINGLE COMPONENT HIGH PERFORMANCE LOW MODULUS HYBRID SEALANT

DESCRIPTION

Urochem 501 HP is a high-performance, non-sag, low 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.

It has a low modulus and high elongation and is recommended for use in joints where extreme movement is anticipated. (+100% and - 50% of initial joint width).

PRODUCT APPLICATION

- **Urochem 501 HP** is primarily intended for use in vertical & horizontal expansion and movement joints that vary in width.
- **Urochem 501 HP** can be used as an expansion joint sealer in both new and remedial applications.
- **Urochem 501 HP** can be used for irregular joints and in joints where minor spalling has occurred.
- When used horizontally, **Urochem 501 HP** must be recessed by a minimum of 6mm to 12mm below the substrate to avoid tyre wear (Mechanical damage).
- It provides medium chemical, wear and corrosion resistance, while at the same time curing to a < 15 Shore A hardness.

Not for use in water retaining structures.

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 soapy water as required 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 25mm 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.



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TYPICAL PROPERTIES – AS PER UROCHEM QC

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

Mixing Ratio	Single component
Skin over time	1-2 Hrs dependant on RH, temp & thickness
Practical Cure	± 2mm per day dependant on RH & temp
Hardness	<15 Shore A
Tensile strength	< .3 Mpa
Colour	Grey
Density	1.6 Cured
Movement accommodation	+ 100 % -50% of initial joint width ***
Shelf Life	12 Months
Application Temp.	5 – 35°C
Service Temp.	-15°C to + 80° C
Pack Size	600 ml sausages, 25 Lt drum
Cleaning	Urochem 901
Storage	Store in a cool dry place

*** Movement accommodation for joints 25mm 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

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