

Urochem 611

HI-BUILD WATERPROOFING & CHEMICAL RESISTANT COATING

DESCRIPTION

Urochem 611 is a solvent free, two-part polyether-based coating. Designed as a 1,5mm seamless waterproofing coating available in both Natural, (not UV Stable) and Aluminium for UV stability. It yields an extremely flexible hi-build product with good chemical resistant and elongation properties.

PRODUCT APPLICATION

It is used as a 1,5mm seamless flexible waterproofing and chemical resistant coating on rooftops and in containment or bounded areas where crack bridging of the substrate is essential.

SURFACE PREPARATION

- The correct preparation of the surfaces is critical. All surfaces should be clean, sound, and dry, and all laitance or surface contamination should be removed by wire brushing, grinding or grit blasting. Vacuum or blow with compressed air to ensure total removal of dust.
- Moisture content of the substrate must be below 5%.
- **On masonry substrates, Urochem 695 primer is recommended.**
- All substrates must be prepared as detailed in Surface preparation above.
- Cementitious substrates must be primed with **Urochem 614** applied at 7 – 10m² per Lt (depending on porosity of the substrate).
- Bitumen substrates must be thoroughly cleaned, and all loose and friable material must be removed. Solvent wipe with **Urochem 901** and allow to dry before application of **Urochem 307** primer. (Applied at 6-8m² per Lt, may be overcoated within 1 Hour of application).

APPLICATION

Mix the activator and the base separately before adding the activator to the base and mixing thoroughly for a minimum of 3 minutes with a paddle mixer.

Horizontal

- Apply the correct primer as per data sheet. **Urochem 614** for concrete and **Urochem 307** for bituminous substrates.
- Apply 1st coat of **Urochem 611** to the primed substrate at approx. 1Lt per m² using a 1.5mm pin rake or notched trowel.
- Spike roll after 10 to 30 min to release any entrapped air and break the surface tension to assist with levelling.
- Apply 2nd coat of **Urochem 611** to the 1st coat (within 24 Hours) at 1.5mm per m² using a 1.6mm pin rake or notched trowel.
- Spike roll after 10 to 30 min to release any entrapped air and to break the surface tension to assist with levelling.
- Leave to cure and open to traffic after 24 Hours.

Vertical and sloping

- Apply **Urochem 611** directly to the primed substrate by brush or roller at ±500 microns.
- Note two coats are recommended for vertical applications.
- Overcoat time is temperature dependent, and the first coat must be cured enough that it is not disrupted by the topcoat.
- Intercoat time must not exceed 24 Hours.



Urochem Trading (Pty) Ltd

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CLEANING

Clean all tools immediately after use with **Urochem 901**. Once the material has polymerised it may only be removed mechanically.

SAFETY

Contains isocyanates. Ensure adequate ventilation. Do not use in confined spaces. Ensure adequate ventilation and the absence of any ignition source. Wear protective clothing. In case of eye contact wash well with water and obtain medical advice.

TYPICAL PROPERTIES – AS PER UROCHEM QC

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

Mix Ratio	Mix as supplied – Do NOT SPLIT KITS
Pot Life	> 30min
Elongation	> 300%
Theoretical coverage	1,5 Lt / m ²
Shelf Life	6 Months, depending on storage conditions
Application Temp.	5 to 35°C
Service Temp.	-25 to +50°C
Pack Size	5 Lt, 10 Lt and 20 Lt kits
Colour	Natural and Aluminium
Chemical resistance	Please consult our technical department
Cleaning	Urochem 901
Storage	Store in a cool dry well ventilated place away from heat & sunlight



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CHEMICAL COMPATIBILITY CHART

Chemical	% Conc
Acetic Acid	10%
Acetic Acid	25%
Ammonium Hydroxide Solution	0,88%
Ammonium Nitrate	50%
Ammonium Sulfate Solution	50%
Boric Acid Solution	saturated
Chromic Acid	10%
Citric Acid	20%
Formic Acid	40%
Hydrochloric Acid	conc
Lactic Acid	25%
Maleic Acid	30%
Nitric Acid	30%
Nitric Acid	70%
Phosphoric Acid	50%
Phosphoric Acid	90%
Sodium Hypochlorite	
Sodium hydroxide	30%
Sodium hydroxide	50%
Sugar solution	saturated
Sulphuric Acid	30%
Sulphuric Acid	70%
UREA	30%

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