

# Urochem 699

## CHEMICAL RESISTANT HI-WEAR COATING (CHEMICAL RESISTANT)

### DESCRIPTION

**Urochem 699** is a solvent free two-part polyether-based coating. It yields an extremely flexible hi-build, hi-wear product with good chemical resistant and elongation properties.

### PRODUCT APPLICATION

It is used as a seamless flexible chemical resistant and hi-wear coating in containment or banded 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.
- **On porous substrates, Urochem 614 primer is recommended.**

### MIXING

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.

### APPLICATION

- Apply a thin coat of primer by brush and allow the solvent to evaporate before applying coating or sealant. Once the primer loses its tackiness, re-prime.
- Walls and sloping areas should be coated with the thixotropic grade using a brush or roller. Note two coats are recommended and the intercoat time must not exceed 24Hours.

### 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. Consult MSDS for more information.



#### Urochem Trading (Pty) Ltd

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# TECHNICAL DATA SHEET

## Urochem 699

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#### TYPICAL PROPERTIES – AS PER UROCHEM QC

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

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| <b>Mix Ratio</b>            | Two component – mix as supplied – Do not part mix                   |
| <b>Pot Life</b>             | 30min                                                               |
| <b>Elongation</b>           | >100%                                                               |
| <b>Theoretical coverage</b> | 2 m <sup>2</sup> / Lt                                               |
| <b>Shelf Life</b>           | 6 Months                                                            |
| <b>Application Temp.</b>    | 5 to 35°C                                                           |
| <b>Service Temp.</b>        | -25 to +50°C                                                        |
| <b>Pack Size</b>            | 2Lt, 5 Lt and 25 Lt kits                                            |
| <b>Chemical resistance</b>  | Please see below table                                              |
| <b>Cleaning</b>             | <b>Urochem 901</b>                                                  |
| <b>Storage</b>              | Store in a cool dry well ventilated place away from heat & sunlight |

#### 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%       |

| Chemical            | % Conc    |
|---------------------|-----------|
| 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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