

# CCI NEOTHANE WPU

## Water-based Polyurethane Waterproofing Coating Liquid Membrane

### Description

**CCI Neothane WPU** is a flexible single pack water-based polyurethane waterproofing and sealing membrane. It is a fast-drying waterproofing membrane with excellent chemical resistance properties.

### Domains of Application

- ✓ Ideal for waterproofing of facades, terraces, balconies, and wet areas.
- ✓ Ideal for waterproofing of concrete roofs including walkways and planter boxes.
- ✓ For internal and external use

### Advantages

- ✓ **CCI Neothane WPU** forms a tough flexible membrane film which eliminates the need for a reinforcing layer.
- ✓ Reinforcement mesh is only needed over movement joints.
- ✓ Once cured, can be tiled overusing cement based or two-part adhesive.
- ✓ Foot Trafficable.
- ✓ Does not require protective screed.
- ✓ Environmentally friendly product does not give off fumes or gases which will affect health.
- ✓ Because of its non-odour formulation, **CCI Neothane WPU** is suitable for use in confined areas.
- ✓ Suitable for external areas of waterproofing, on walls and on floors subjected to ultra-violet radiation.

### Technical Properties

Appearance	Thick pasty liquid
Solid content, %	60% to 70%
Elongation at break, %, ASTM D412	400
Tensile Strength, N/mm <sup>2</sup>	3.1
Adhesion with concrete, N/mm <sup>2</sup>	1.05
Crack bridging, mm	> 2.5
Shore Hardness	85
Cure time, hours	4 to 6
Touch dry at 30°C, minutes	1 hour 30 minutes

### Method of Application

#### Surface Preparation

##### Concrete

All new concrete slabs must be allowed to cure for at least 6 weeks. Old concrete must be cleaned with a strong commercial grade detergent or degreaser, then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.

##### Render

Newly rendered surfaces must be allowed to cure for at least 7 days.

##### Lightweight Blocks

Prime the surfaces with **CCI Neoacrylic P** prior to **CCI Neothane WPU**.

##### Metal Surfaces

All metal surfaces must be totally free of rust. Prime metal surfaces with etching primer.

##### Cracks

Hairline cracks up to 1 mm wide, which experience no movement, may be duly filled up with **CCI Neothane WPU** before applying another layer over the area to be waterproofed.

Structural cracks which experience movement must be filled with CCI Neoproof Geo tape securely placed over the crack. **CCI Neothane WPU** should be applied over the area and on the tape and allowed to cure.

##### Substrates

All substrates must be clean and sound prior to waterproofing. In using **CCI Neothane WPU**, the substrate shall be visibly dry.

##### Drain Application

Treat the inside and around the drain with a separate layer of **CCI Neothane WPU** before proceeding with the actual application of the whole surface area.

For other uses or the use of **CCI Neothane WPU** over substrates or situations not mentioned, contact our CCI personnel for advice.

### Mixing

No mixing is required when using CCI Neothane WPU.

### Application

- ✓ Spread the CCI Neothane WPU onto the substrate using a lambswool roller or brush.
- ✓ Apply in a thin continuous layer over the area to be waterproofed.
- ✓ Allow 1 to 2 hours in between each coat.

### Coverage

Approximately 1.45 kg to 1.85 kg/m<sup>2</sup> at 1 mm thickness in two coats, depending upon site conditions.

### Packaging

25 kg × 5 kg pails.

### Storage & Shelf life

Up to 12 months in unopened containers, stored in a cool dry elevated place.

### Precautions

- ✓ Do not allow the product to freeze.
- ✓ Do not apply if the temperature is more than 45°C or less than 5°C.
- ✓ Delay external applications when inclement weather is imminent.
- ✓ Do not thin liquid, it is supplied ready for use.

### Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on [www.ccichemicals.in](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

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