



Cureflex NP140

Positive/Negative Flow Waterproof Membrane
Suitable for Wet* Substrate Applications

NP140 is specifically engineered as a unique, flexible 'One Component Cementitious Waterproof Membrane suitable for use over *WET substrates in a range of positive and negative waterproofing applications including:

- Immersed Applications : Water features - Swimming pools - Fish Ponds
- Retaining walls - Planter Boxes - Walls built below water tables
- Roof areas (that will be covered other surface toppings)
- Repairs to Non exposed Gutters - Potable water storage tanks
- Basement walls internal/external
- Balconies – Podiums - Terraces
- Lift Shafts and lift pits
- Internal wet areas

Features / Benefits

- No Primer Required
- Bonds to damp surfaces
- Brush, roller, sprayer or trowel application
- Handles up to 6bar positive water pressure
- Handles up to 1.5bar negative water pressure
- 1 component flexible cementitious membrane
- Non sag properties over vertical & horizontal surfaces
- Suitable for internal, underground, immersed and external surfaces
- Approved for potable water applications to international standards
- Compatible bonding properties for concrete toppings, screeds, masonry renders and tile adhesives.
- Resistant to efflorescence (salts) & carbonation often found with concrete – Resistant to efflorescence (salts) & carbonation associated with concrete substrates

*NP140 performs best on damp substances.
Do not apply over ponding areas.
Remove all excess water prior to application.



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Cureflex NP140 APPLICATION

Preparation

- Substrate Surfaces must be clean, free of gypsum and foreign matter including oil and wax residues. Surfaces must be in a sound and stable state [prior to commencing the application]
- No primer is required. Pre-dampen substrates with light water mist (weed sprayer or similar)
- NP140 requires a suitable bond breaker at all substrate junctions for positive waterproofing applications. Flexiban Rubber Joint Bandage is recommended at all wall/floor and wall/wall junctions.
- Mixing NP140 membrane is easily formed by adding dry powder to water. Fill 2/3 of required water into a mixing bucket. Ensure water is clean and free of chemical additives. Gradually add the powder to water using electric mixer with paddle attachment. Mix until product appears lump free. Add the final 1/3 of the required water and continue to mix until a homogenous lump free state is formed. Allow the product to settle for a few minutes before mixing again for 30 sec prior to application.
- Depending on desired quantity to be used, calculate water to powder ratio based on 180-220ml of water per kg of NP140 powder.
- Recommended Coverage will alter depending on method of application & Substrate Surfaces.:

General Waterproofing (positive side)

Minimum 1.5mm dried film thickness is required, 0.8litres/1.2kg/m² per mm layer thickness

Immersed applications & negative applications

Minimum 2.0mm dried film thickness is required, 0.8litres/1.2kg/m² per mm layer thickness

Preventing ingress of water under pressure (negative side)

Minimum 2.5mm dried film thickness is required, 0.8litres/1.2kg/m² per mm layer thickness

- Product can be applied by roller, brush, trowel or spray unit that can handle high build textures
- Polymer modified cement based tile adhesive are recommended for direct adhesion to the membrane
- Acrylic or SBR bonding agents are recommended for applications of screed and renders directly over the membrane
- We recommend that test samples are undertaken prior to the application.

Curing

- Pot life for mixed membrane approximately 1 hour. In normal ambient conditions of 23°C

Drying Times are:

- Recoat: 1-3 hours
- Drying film: 5-7 hours
- Exposure to water pressure: 7 days curing
- Immersion: 21 days curing

These times will vary depending on surface temperature, ambient conditions and surface porosity

Storage & Cleaning

- Stored conditions in dry area at room temperature. Avoiding humidity and frost.
- Wash product while in a wet state with water. Dried product will need to be removed by mechanical means or with solvent cleaners.

