

# Newflex-R100

## Heavy Duty, Synthetic Rubber Waterproofing Membrane

### Description

A specially modified version of our unique water dispersed, liquid synthetic rubber membrane, containing integral linear micro fibre reinforcement. Chemind Newflex-R100 is specifically designed to eliminate blistering and wrinkling that may occur in exposed or ponded situations, as it does not require the general use of reinforcing fabric.

### Uses

Newflex-R100 is ideally suited to indoor and outdoor applications, including roofing, box gutters, balconies, sill or window flashings, podium decks, planters, water features, landscaped areas, bathrooms and wet areas. It can be applied to most prepared surfaces encountered in construction.

Newflex-R100 is suitable for waterproofing of foot traffic areas on balconies, roofs, ramps, plant room floors and stadium concourse or service areas, when used in conjunction with Chemind Tuffcote Duratop coating.

### Features

- No toxic or hazardous ingredients.
- Water clean-up, low odour.
- Environmentally friendly.
- Simple application, fast cure.
- Waterproof - resists ponded water.
- Non-staining.
- Total adhesion - no water tracking.
- Permanently flexible.
- UV resistant - long life.
- Single pack - no mixing.
- Multi-purpose high build.
- Forms a one piece membrane barrier.
- Has CSIRO approval No. 162.
- Systems for Total Project Specification.

### Typical Properties

Colour	Coloured paste
Composition	Reinforced polymerised monomers
Solids Content	65%
Service Temperature	-10°C to 80°C
Application Temperature	5°C to 30°C
Surface Dry Time	2 hrs (0.6mm @ 25°C)
Cure Time (Foot Traffic)	8 hours
Tensile Strength	1.35 MPa @ 100% F <sub>xt</sub>
Elongation	350%
Permeance	515 mg/mm/m <sup>2</sup> /24 hrs
Accelerated Weathering (ASTM D822A)	No effect

### Preparation

Surfaces to be waterproofed must be sound, smooth and free from dust, loose matter, oil, grease or other contaminants.

All surface defects shall be repaired using Chemind Chembond modified mortar.

Use Chemind Chemflex PU sealant to fill joints, cracks and form fillets to internal corners or penetrations.

### Application

#### Priming

For internal wet areas, tiled decks, walls, sills or flashings, apply one coat of Chemind Primer "W" or diluted Newflex-R100 at a rate of 6-10 m<sup>2</sup>/litre.

For exposed decks, car park slabs, sumps, pits, pools and water features, apply one coat of Chemind Epocote F100W water based epoxy at 6-10 m<sup>2</sup>/litre.

## Detailing

Detail all joints, cracks, outlets, penetrations and internal corners with a 150mm strip of Chemind Fibreglass Reinforcing Mat bedded between two heavy coats of Newflex and centred over the joint.

Apply a heavy brush coat of Newflex-R100 to all other penetrations, internal corners and shrinkage cracks.

## Application of Continuous Membrane

Apply Newflex-R100 membrane liberally by brush, squeegee or roller in two or more flow coats to minimum 1.0mm DFT. Allow to dry fully between coats.

Coating application should be made in a cross direction to previous coat to ensure even coverage.

## Surfacing

Newflex-R100 membrane is foot trafficable within 8 hours. Use following systems for specific situations as listed. Apply surfacing materials only to fully cured Newflex-R100.

- Tanking
  - ◆ Cover with Chemind Protectoboard, Protectodrain or Rapid Drain, followed by backfill or landscaping.
- Tiles
  - ◆ Ceramic tiles may be laid on a mortar bed or otherwise fixed directly with fully guaranteed Chemind Chem-Fix adhesive
- Rigid Surfaces
  - ◆ 0.2 mm PE slip-sheet with concrete topping.
  - ◆ paving slabs on Chemind Multi Pads or bedding.
  - ◆ Chemind Chembond polymer modified render or textures.

- Traffic Areas – Car Parks
  - ◆ Apply Chemind Tuffcote Duratop at 4m<sup>2</sup>/litre. Allow 24 hrs drying before exposing to foot traffic or 48 hrs before allowing vehicle traffic.
- Decorative Coatings
  - ◆ Chemind Blockflex high build coating exterior acrylic paints, roll-on textures or sand-filled PP grass.
- Insulated - Thermally
  - ◆ Chemind Dow Roofmate closed cell insulation board to provide guaranteed thermal insulation.
- Insulated - Acoustically
  - ◆ Chemind Sound-Shield sound deadening system under tiles etc. to give the required acoustic value.

## Coverage

Total consumption for the Newflex-R100 membrane system is approximately 1.25 - 1.5 litres/m<sup>2</sup>.

## Packaging

Newflex-R100 is packed in 15 litre plastic pails for the domestic market and in 20 litre metal pails for export.

## Shelf Life

Unopened or resealed pails of Newflex-R100 has a shelf life of 2 years, when stored in a dry, cool place.

## Clean-up

Remove uncured Newflex-R100 with water. Chemind GP Solvent may assist with the removal of cured product. Exercise care when using solvents. Please review all MSDS before use.



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