Chemind Product Data Sheet

Newflex

Heavy-Duty Synthetic Rubber Waterproofing Membrane

Description

A single-pack, water dispersed, synthetic rubber polymer, liquid membrane developed specifically as a tough, durable and permanently elastic waterproof membrane, for all major commercial and residential construction applications.

Uses

Chemind Newflex is ideally suited to indoor and outdoor applications, including roofing, box gutters, balconies, sill & window flashings, podium decks, planters, tanking, ponds & water features, landscaped areas, bathrooms and wet areas.

It can be applied to most sound construction surfaces.

Newflex is suitable for trafficable areas when used in conjunction with Chemind Tuffcote Duratop top coating system.

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.
- CSM reinforced-high stress applications.
- Complies with AS3740.
- Has CSIRO approval No. 162.
- Systems for Total Project Specification.
- Fully compatible with Grace Bituthene®
- Available pre-reinforced as Newflex-R100

Typical Properties

Colour	Coloured thixotropic paste
Composition	Polymerised Synthetic Rubber
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	2 MPa @ 500% Ext
Elongation	500%
Permeance	5.9 mg/mm/m²/24 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 at 6 -10 m²/litre.

For exposed decks, car park slabs, sumps, pits & water features, use Chemind Epocote F100W water based epoxy at 6 - 10 m²/litre.

Detailing

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

Application of Continuous Membrane

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

- High stress areas
  - Car park decks must use Chemind Fibreglass Reinforcing Mat embedded in two coats of Newflex at 2 m²/litre per coat, fully wetted by thorough rolling. After full drying, apply a flood coat of Newflex at 2 m²/litre.
  - Roofing, terraces, balconies, decks, box gutters, pools, water features and wet areas may be similarly treated or coated with Newflex-R100.
- Low stress areas
  - Parapets, hoods, sills, CFC, FC, GRC, precast concrete, bathroom or laundry floors, plant rooms and all non-traffic areas should be primed and detailed then protected with two full coats of Newflex or Newflex-R100 at 2 m²/litre.

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

Surfacing

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

- Tanking
  - Cover with Chemind Protectoboard, Protectodrain or Rapid Drain, followed by backfill or landscaping.
- 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.
- Tiles
  - Ceramic tiles may be laid on a mortar bed or otherwise fixed directly with fully guaranteed Chemind Chem-Fix adhesive
- Traffic Areas – Car Parks
  - Apply Chemind Tuffcote Duratop at 4m²/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 membrane system is 1.0-1.5 litres/m^2.

Packaging

Newflex 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 has a shelf life of 2 years, when stored in a dry, cool place.

Clean-up

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

Chemind CONSTRUCTION PRODUCTS

HEAD OFFICE
74 Annie Street
ROCKLEA QLD 4106
AUSTRALIA
Ph: (+617) 3255 5755
Fax: (+617) 3255 5991
ABN: 63 250 804 992