

Newflex W.A.M.

Multi-Purpose Approved Wet Area Membrane Waterproofing

Description

A single-pack, water based polyurethane modified synthetic rubber polymer, liquid membrane developed specifically as a tough, durable and permanently elastic waterproof membrane, for all major commercial and residential construction applications. It is CSIRO certified Class III.

Uses

Newflex WAM is suited to most areas of waterproofing in commercial and residential design. It is compatible with most stable substrates including concrete, fibre cement sheet, CFC, ALC, precast panels, concrete masonry, brick, render, metals and plastics.

Newflex WAM is used for shower trays; bathroom and laundry floors, sill and window reveal flashings, balconies, ponds, and water features. It may also be used for external tanking applications.

Features

- Complies with **Green Star** requirements
- Non-Hazardous – almost zero VOC (0.17%)
- Water clean-up, low odour
- Simple application and quick drying
- Paintable - Non-staining
- Waterproof - resists ponded water
- Paintable - Non-staining
- Total adhesion - no water tracking
- Will not become brittle with age
- Long life – internal or external use
- Single pack - no mixing
- Forms a monolithic one-piece barrier
- Accepts most quality adhesive products and coatings including Chemind Chem-Fix
- Has CSIRO appraisal TA162 to AS3740 "Waterproofing of wet areas in residential buildings" and certified Class III membrane to AS/NZS4858:2004 by Report 3683.2
- Available reinforced as Newflex WAM Fibre

Design a Total Waterproofing Envelope package with Chemind and Grace waterproofing systems.

Bond Breaker

Use Chemind Chemflex PU sealant as bond breaker in accordance with AS3740 and AS4654 for Class III waterproof membrane. Allow to cure fully before proceeding with general installation.

Typical Properties

Composition	Water based PU Modified Rubber Elastomer	
Solids Content w/w	65%	
Service Temperature	-10°C to 80°C	
Cure Time - ready for Flood Test, tiling, topping	After 48 hours	
Tensile Strength (AS/NZS 4858)	1.27 MPa	
Elongation (AS/NZS 4858)	>600% = Class III	
Moving Joint Test	Passed (AS/NZS 4858)	
Immersion Durability (AS/NZS 4858)	Passed (Water, bleach, detergent) = Class III	
Heat Ageing (AS/NZS 4858)	Concrete = 167N	Glass = 53N
WVTR (AS/NZS 4858)	1.23g/m ² /24 hrs	
Accelerated Weathering (ASTM D822A)	No effect	
Peel Adhesion (AS 1526)	Concrete >150N	Glass >50N

Preparation

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

Damp substrates are acceptable, but any ponded water must be removed.

All surface defects shall be repaired using water resistant patching compound.

Use Chemind Chemflex low modulus polyurethane sealant to fill joints, cracks, gaps and form angle fillets to internal corners or penetrations.

Application

Apply Chemind Primer W or use Newflex WAM diluted with 25% water at 6 - 7 m²/litre to internal wet area walls, sills or flashings.

Use Chemind Epocote F100W at 6 –7m²/litre as primer on exposed roof decks, balconies, pools, pools or water features.

Roughen any stainless steel or PVC surfaces then prime with Chemind Epocote F100W at 6– 7m²/litre.

Application of Continuous Membrane

Apply Newflex WAM membrane liberally by brush or roller in two or more coats to desired uniform membrane thickness.

Allow to cure completely between coats. Ensure that membrane installation is fully cured before flood testing, covering with mortar bed or tiling. Cure time may be extended during winter or if poor ventilation.

NOTE

- All installation work is to be done fully in accordance with the BCA and the requirements of AS3740 "Waterproofing of wet areas within buildings" or AS4654 "Waterproofing of external areas".
- If any reinforcing fabric is used in association with Newflex WAM it is essential that the fabric is placed into wet membrane and another heavy layer is immediately applied onto the fabric. Roll vigorously into and through the fabric to totally and completely saturate it giving a homogeneous, monolithic, dense structure.
- In hot weather add up to 10% water to facilitate the application process.

Surfacing

Newflex WAM may be subjected to foot traffic 8 hours after installation. Use the following surfacing systems for specific situations and install only after Newflex WAM membrane system has fully cured.

- **Tiles** - Ceramic tiles may be laid on a mortar bed or otherwise fixed directly with guaranteed Chemind Chem-Fix or other appropriate quality adhesives.
- **Tanking** - Prior to installing backfill or landscaping, cover with a suitable form of membrane protection.



- **Other Rigid Surfaces**

- ◆ Use a 0.2 mm PE slip-sheet under concrete topping.
- ◆ Polymer modified cement render or acrylic based textures.

- **Decorative Coatings**

Water based paints may be applied directly to Newflex WAM membrane.

- **Insulated - Acoustically**

Use Chemind Sound-Shield to achieve acoustic insulation under rigid flooring in accordance with BCA and local building regulations.

Coverage

Wet Areas

- Floors 1.5 litres/m² to give 1 mm DFT
- Walls 2–3m²/litre to give 0.3 mm DFT

General

Water features, balconies, window or sill flashing at the rate of 1.25 – 1.5 litres/m² to achieve 1mm DFT.

Packaging

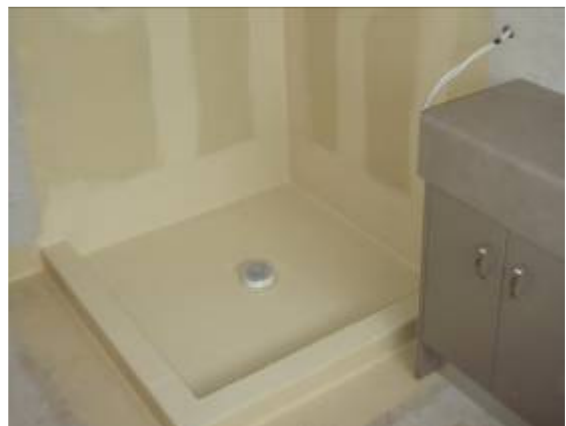
Newflex WAM is packed in 15 litre pails.

Clean Up

Remove uncured product with water. Chemind GP solvent may assist removal of cured product. Exercise care when using solvents. Review MSDS before use.

Shelf Life

Unopened or re-sealed pails stored in a cool, dry place have a shelf life of 2 years.



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