

# Aquagard M

## Fast Cure Approved Wet Area Waterproofing Membrane

### Description

An advanced, high performance, one-part, fast curing, high solids, polyurethane rubber polymer version of Chemind Aquagard membrane. AQUAGARD M is specially designed for the installation of, high build, waterproof membrane barriers.

### Uses

Aquagard M is used for bathrooms, shower trays, laundries, balconies, roof decks, sill or window flashings, retaining walls, planters, ponds, water features and landscaped areas. It can be applied to most surfaces.

### Features

- Simple application and fast cure
- Quick access for tilers
- Waterproof - resists ponded water
- No hazardous level of toxic substances
- Permanently flexible - total adhesion
- Immediate Resistance to rain damage
- Single pack - no mixing
- Multi-purpose - high-build
- Low odour and non-stain
- Forms a one-piece membrane barrier
- Will not become brittle with age
- Complies with AS374 approval No.162
- Systems for Total Project Specification
- Fully compatible with Grace Bituthene®

AQUAGARD M is a true elastomer, does not contain Portland cement, tar or bitumen.

AQUAGARD M is engineered to allow application by "flood coating", without multi-layering and fibreglass mat.

AQUAGARD M is guaranteed when used in with CHEMIND Chem-Fix polymer modified cement based tile adhesive, designed for application to non-porous surfaces.

### Typical Properties

Composition	Polyurethane Elastomer
Solids Content	92%
Service Temperature	-10°C to 80°C
Cure Time - ready for Flood Test, tiling, topping	8 hours
Tensile Strength (AS1145)	2 MPa
Elongation (AS1145)	600%
Moving Joint Test	Passed (CSIRO)
Immersion (AS1145)	Passed (Water, bleach, detergent)
Peel Test (AS1526)	Concrete = 167N Glass = 53N
Permeance (ASTM E96)	5.9 mg/mm/m <sup>2</sup> /24 hrs
Accelerated Weathering	Yellows

### Preparation

Surfaces to be waterproofed must be sound, smooth and free from dust, loose matter, oil, grease or other contaminants. Concrete should be cured 28 days and render 7 days.

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

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

### Application

#### Priming

To inhibit out-gassing (pin-holes) and seal dusty or porous surfaces, apply 1 coat of Aquagard M diluted with one or two parts Chemind GP Solvent at 8-10m<sup>2</sup>/litre and allow to dry for one hour. Use Chemind Epocote F100W or Chemcote W to seal all damp or "green" concrete.

Roughen surface of PVC or stainless steel.

## Detailing

Detail all joints, cracks, outlets, penetrations and internal corners with a 150mm strip of Chemind Reinforcing Fabric embedded between two heavy coats of Aquagard M and centred over the joint.

## Application of Continuous Membrane

Apply Aquagard M membrane liberally by brush, squeegee, roller or spray in two or more coats to desired uniform membrane thickness. Allow to dry fully between coats. Application of Aquagard M membrane "flood-coat" layer does not require use of any fabric or glass fibre mat.

## Surfacing

The finished Aquagard M membrane may be subjected to foot traffic 8 hours after installation. Following surfacing systems may be used for specific situations listed. Such covering materials shall be installed only after the Aquagard M membrane system has fully cured.

- **Tiles**
  - ♦ Ceramic tiles may be laid on a mortar bed or otherwise fixed directly with fully guaranteed Chemind Chem-Fix adhesives.
- **Tanking**
  - ♦ Cover with Chemind Protectoboard, Protectodrain or Rapid Drain, followed by backfill or landscaping.
- **Other Rigid Surfaces**
  - ♦ Use a 0.2 mm PE slip-sheet under all concrete toppings.
  - ♦ Paving slabs on Chemind Multi-Pads or mortar bed.
  - ♦ Chemind Chembond polymer modified render or textures

- **Decorative Finishes**

Use Chemind Epocote F100W to seal surface of Aquagard M, then apply:

- ♦ Chemind Blockflex high build coating
- ♦ Premium quality exterior acrylic paints, roll-on textures
- ♦ Synthetic PP grass, glued or sand filled.

- **Insulated - Thermally**

♦ Use Chemind Dow Roofmate closed cell Insulation board to provide fully guaranteed thermal insulation.

- **Insulated - Acoustically**

♦ Use Chemind Sound-Shield sound deadening system under tiles etc. to give the required acoustic value.

## Coverage

### General

- Balconies, roof decks, retaining walls and planters – 1.25 litres/m<sup>2</sup>.

### Wet Areas

- Floors – 1.5 litres/m<sup>2</sup> @ 1 mm dry film thickness.
- Walls – 0.5 litres/m<sup>2</sup> @ 0.3 mm dry film thickness.

## Packaging

Aquagard is packed in 15 litre plastic pails.

## Clean Up

Use Chemind GP Solvent or methylated spirits before curing. Exercise care when using solvents. Please review all MSDS before use.

## Shelf Life

Sealed pails of Aquagard M have a shelf life of approx. 6 months, but once opened will become solid within a few days.



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