

# Aquagard M

## Fast Cure Approved Waterproofing Membranes

### Description

A high performance, one-part, fast curing, high solids, liquid polyurethane polymer. Aquagard M is designed for the installation of high build, long life, permanently flexible waterproof membrane barriers for all major commercial and residential construction applications. It is CSIRO certified for BCA use to AS 3740, Class III rating.

### Uses

Aquagard M may be used for:

- Internal Wet Areas (AS 3740) - bathrooms, shower trays, laundries, toilets, kitchens
- External Waterproofing (AS 4654) – roof decks, balconies, sill or window flashings, retaining walls, footings, lift pits, planter boxes, ponds, sumps, water features and landscaped podium areas.

It can be applied to most surfaces.

### Features

- Complies with **Green Star** requirements
- Very low VOC (7% - 7gm/1000gm)
- Simple, seamless, fast cure membrane
- Root Resistant Barrier
- Excellent resistance to acid sulphate soils
- Waterproof - resists ponded water
- No hazardous level of toxic substances
- Permanently flexible - total adhesion
- Immediate Resistance to rain damage
- Single pack - no mixing – high build
- CSIRO TA 213 approved to AS3740 for “Waterproofing of wet areas” and certified Class III to AS/NZS4858 by Report 3683.1.
- Compliant with AS4654 “External Waterproofing” areas”, as a Class III membrane
- Aquagard M is engineered to allow application by “flood coating”, without reinforcing mat
- Guaranteed when used in with Chemind Chem-Fix Super two-part rubber based ceramic tile adhesive.

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

### Bond Breaker

Install 12mm Chemind Chemflex LM as bond breaker fully in accordance with the requirements and provisions as shown in AS3740 and AS4654 for AS/NZS4858 Class III membrane. Allow all detailing work to skin cure before proceeding with general membrane installation.

### Grades

#### Aquagard M Flowable

- Modified flowable grade for large deck areas. Apply by squeegee or roller for one coat, high build cover.

#### Aquagard M Horizontal

Low viscosity for fast installation on large deck areas.

#### Aquagard M LV

- Lower viscosity with medium stand up on vertical surfaces - for general use.

#### Aquagard M Rollable

- Unique product, easy to roll, exceptional non-slump qualities for vertical surfaces. One-coat coverage on most surfaces.

#### Aquagard M Standard

The original grade developed as a multi-purpose, high build, general purpose pure polyurethane membrane.

#### Aquagard M UVR

- Exclusively for highly durable waterproof, exposed roof membranes. Used with UV resistant topcoat for prolonged service life.

### Typical Properties

Composition	Polyurethane Elastomer
Specific Density	1.35 – 1.45
Service Temperature	-10°C to 80°C
Cure Time - ready for Flood Test, tiling, topping	8 hours
Tensile Strength (AS/NZS4858)	2.5 MPa
Elongation (AS4858)	850% = Class III
Moving Joint Test	Passed (CSIRO AS4858)
Immersion Durability (AS/NZS 4858)	Passed (Water, bleach, detergent) = Class III
Peel Test (AS1526)	Concrete = 167N Glass = 53N
WVTR (AS/NZS4858)	2.79 g/m <sup>2</sup> /24 hrs
Chemical Resistance	Excellent

### Preparation

Surface must be clean, sound, smooth and free from contaminants.

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

## Application

### Primer

Apply Aquagard M Clear Primer at 8-10m<sup>2</sup>/litre and allow to dry. Seal damp or "green" concrete with Chemind Epocote F100W. Roughen PVC or stainless steel and prime with Epocote F100W.

### Detailing

For wet areas see [Wet Area Bond Breaker](#).

Seal external high stress movement joints, penetrations, etc with a 150mm strip of Chemind Reinforcing Fabric embedded between two heavy coats of Aquagard M.

### Application of Continuous Membrane

Select the appropriate grade of Aquagard M for particular application needs (refer [Grades](#)).

Apply Aquagard M by brush, squeegee or roller to desired uniform thickness. Allow to dry fully between coats.

Flood-coat application does not require reinforcing fabric.

## Surfacing

Aquagard M membrane may be subjected to foot traffic after 8 hours. Protect installed membrane from damage.

The following surfacing systems may be used after the Aquagard M membrane has fully cured.

- [Ceramic Tiles](#)  
Use Chemind Chem-Fix adhesives or lay on sand blinded Aquagard M key coat or cement mortar bed.
- [Tanking](#)  
Cover with Chemind Protectoboard, Protectodrain or Rapid Drain, followed by backfill or landscaping.
- [Other Rigid Surfaces](#)  
Use slip-sheet under concrete or toppings; paving slabs supported by Chemind Multi-Pads or mortar bed and polymer modified render or textures



- [Decorative Finishes](#)

Aquagard M is resistant to UV exposure but will discolour. For all exposed areas use Aquagard M Non-slip UV resistant Topcoat.

Other options include:

- ◆ Paint – Use Chemind Epocote F100W before quality exterior acrylic paint.
  - ◆ Synthetic grass – glue fixed or sand filled.
- [Insulated - Thermally](#)  
Use Chemind Insul-Foam closed cell Insulation board as required to give guaranteed R values.
  - [Insulated - Acoustically](#)  
Use Chemind Sound-Shield sound deadening system under tiles etc, as required by BCA regulations.

## Coverage

### General

- Decks, walls, planters 1.25 litres/m<sup>2</sup>.

### Wet Areas

- Floors 1.5 litres/m<sup>2</sup> @ 1 mm DFT
- Walls 0.5 litres/m<sup>2</sup> @ 0.3 mm DFT

## Packaging

- Aquagard M Clear Primer 17 kg pail
- Aquagard M 15lit or 22kg pail

## Clean Up

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

## Shelf Life

Sealed pails have a 6 month shelf life, but once opened will solidify within a few days.



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