

Aquagard

Approved Wet Area Waterproofing Membrane

Description

Produced in two grades, Aquagard “Blue” water based elastomer and Aquagard “M” polyurethane based elastomer.

Premium quality, single-pack, liquid synthetic rubber membranes developed specifically as tough, durable, permanently flexible and secure waterproof barriers for major commercial and residential construction.

Uses

Aquagard is used for bathrooms, shower trays, laundries, perimeter flashings, sill or window flashings, balconies, roof and podium decks, plant room floors, retaining walls, planter boxes, tanking, ponds, water features and landscaped areas.

It can be readily applied to most surfaces encountered in construction.

Features

- Aquagard “M” cures fully in 8 hours
- Environmentally friendly
- Simple application and quick drying
- Waterproof - resists ponded water
- Non-staining
- Total adhesion - no water tracking.
- Permanently flexible
- Long life – internal or external use
- Single pack - no mixing
- Multi-purpose - high-build
- Forms a one-piece membrane barrier
- Will not become brittle with age
- Has CSIRO approval No. 162 to AS3740 “Waterproofing of Wet Areas”
- Systems for Total Project Specification
- Available pre-reinforced - Newflex-R100
- No toxic or hazardous ingredients

Typical Properties

Composition	Synthetic Rubber Elastomer
Solids Content	“Blue” = 65%, “M” = 92%
Service Temperature	-10°C to 80°C
Cure Time - ready for Flood Test, tiling, topping	Aquagard Blue > 48 hours Aquagard M > 8 hours
Tensile Strength (AS1145)	2.55 MPa (minimum)
Elongation (AS1145)	400%
Moving Joint Test	Passed (CSIRO)
Immersion (AS1145)	Passed (Water, bleach, detergent)
Peel Test (AS1526)	Concrete = 167N Glass = 53N
Accelerated Weathering (ASTM D822A)	No effect, “M” Yellows

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

Application

Priming

For internal wet areas, tiled decks, walls, sills or flashings, using:

- Aquagard Blue - apply one coat Chemind Primer “W” or Aquagard Blue diluted with 20% clean water, at 8-10 m²/litre.
- Aquagard “M” – dilute with 25 – 30% Chemind GP Solvent and apply at 8 - 10 m²/litre.

For all exposed decks, car park slabs, pits, pools and water features, apply one coat of Chemind Epocote F100W Clear water based epoxy sealer, at 5 – 6m²/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 Aquagard and centred over the joint.

Application of Continuous Membrane

Apply Aquagard membrane liberally by brush, squeegee, roller or spray in two or more coats to desired uniform membrane thickness. Allow to dry fully between coats.

Surfacing

Aquagard membrane may be subjected to foot traffic 8 hours after installation. Use the following surfacing systems for specific situations listed. Such surfacing materials shall be installed only after the Aquagard 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 Chemind Rapid Drain, followed by backfill or landscaping.
 - ♦ Compatible with Grace Bituthene® sheet membranes.
- 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 Coatings
 - ♦ Chemind Blockflex high build coating
 - ♦ Exterior acrylic paints, roll-on textures or sand-filled PP grass.Aquagard “M” should be sealed with Chemind Epocote F100W before waterbased exterior paints are applied.
- 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, tanking, retaining walls and planters – 1.25 litres/m²

Wet Areas

- Floors – 1.5 litres/m² @ 1 mm dry film thickness.
- Walls – 0.5 litres/m² @ 0.3 mm dry film thickness.

Packaging

Aquagard is packed in 15 litre pails for the domestic market or 20 litre pails for export.

Clean Up

For Aquagard “M” use Chemind GP Solvent or methylated spirits before curing. Use water for Aquagard “Blue” before cured.

Shelf Life

Sealed pails of Aquagard “M” have a shelf life of 6 months, but once opened will become solid within a few days. Aquagard “Blue” will keep for 12 months if stored in a cool dry place in unopened containers.



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