

### PRODUCT DESCRIPTION

**PRO-LX** is a waterborne flexible waterproof membrane designed for use under tiled finishes that is capable of accommodating expected structural movement **PRO-LX** is a certified Class III membrane and is compliant to AS4858:2004 : "Wet Area Membranes", when applied in accordance to AS3740:2010 "waterproofing Wet Areas in Residential Buildings". It is available in grey.

### Features and Benefits

- Permanently flexible
- Class III membrane certified to ASTM 4858:2004 wet area membranes when applied in accordance to AS3740:2010
- Low VOC content
- Single pack no mixing
- Excellent adhesion to a wide variety of substrates
- Safe and easy to use
- Quick Drying
- Fibre Reinforced
- Designed for use with a bond breaker

### AREAS OF APPLICATION

For use in commercial, residential buildings in internal wet areas such as bathrooms, kitchens, laundry's, balconies, shower recesses.

### Acceptable Substrates

- Concrete after curing period of 28 days
- Masonry / render after curing period of at least 7 days
- cement sheeting / underlay / external weatherboard / blue board
- pre-cast concrete once release agent has been removed/ dissipated
- Wet area plasterboard / Villaboard
- Structural Plywood Type A (PAA JAS-ANZ)
- Brickwork ,Hebel (aggregate block)

### PRODUCT DATA

Color	Light Blue
Packaging	15 Ltr
Specific Gravity	1.14 g/cm <sup>3</sup>
Elongation	700% at break
Classification	Class III High Extensibility
Solids W/W	60 %
WVT	0.6g/m <sup>2</sup> /24hrs
Final Drying time	48 hr @23°C & 50% RH

### APPLICATION DETAILS

#### Surface preparation

All surfaces to be waterproofed must be firm, clean, dry, sound and suitable to accept a liquid membrane. All contaminates such as grease, oil, wax, curing compounds, dust, droppings, loose materials, paints, plaster must be removed. Fibrous cement sheeting, wet area plasterboard must be fixed in accordance with manufacturers installation instructions.

Concrete must be allowed to cure for at least 28 days and cement render / sand cement screeds must be allowed to cure for at least 7 days prior to application of **PRO-LX**. For general priming of porous substrates **PRO-PRIME** is to be used and allowed to dry. If a vapor barrier is required to protect against hydrostatic pressure, 2 coats of **CA approved Moisture Barrier** must be applied. Failure to do so may result in poor adhesion and subsequent delamination. Damp surfaces must be allowed to surface dry to ensure adequate penetration of primers.

### Bond Breaker

Bond breakers are required at all wall/floor, hob/wall, junctions, and at all movement joint (wall/wall) where the membrane is bonded to the substrate. The Bond breaker shall be of the type compatible with class III flexibility membranes. Either neutral cure silicone, CA approved MS Polymer or an appropriate proprietary bond breaker tape specified for under membrane application should be used.

The silicone sealant/CA approved MS Polymer sealant should be applied to produce 12mm x 12mm minimum covered bead over inter planar joints. Bond breaker profile must be a minimum of 6mm in depth at the midpoint of the joint. If any cracks in the substrate are evident, grind out the crack to a width at least 6mm and fill with a neutral cure silicone and allow to cure.

Apply silicon, CA approved MS Polymer sealant or bond breaker tape over the entire crack to isolate from the membrane. If applying membrane over Hardies flooring systems, follow Hardies recommendations for fixing and sealing of expansion joints. Apply Silicone, CA approved MS Polymer sealant to all drainage outlets, flanges, water stops etc.

**Dedicated Expansion Joints** must be isolated from the membrane using bondbreaker tape ensuring at least 12mm either side of the crack, and covering the entire length and width of the joint

### Application of Membrane

All areas to receive membrane must be primed using **PRO PRIME**. **PRO-LX** can be applied by brush roller or trowel in multiple coats. Apply **PRO-LX** to the wall /wall joints applying material at least 100mm either side of joint and in the case of a designated shower area the total wall area up to rose height.

Waterproof wall joints to 1800 mm from the finished floor level, and a minimum width of 40 mm either side of the junction. Seal all tap, shower rose, and bath spout penetration. All floor/wall joints should be waterproofed to a minimum of 40 mm either side of junction, and 150mm outside of the shower.

Once the first coat has dried, apply subsequent coats at right angles to the first coat

### Application Rates

#### Wall areas:

Apply a minimum of 2 coats at a **total rate** of 0.9 Litre/ m<sup>2</sup> to achieve a dry film thickness (DFT) of 0.5mm.

#### Floor Areas:

Apply a minimum of 2 coats at a **total rate** of 1.5 Litre /m<sup>2</sup> to achieve a dry film thickness (DFT) of 0.9 mm.

#### Drying time:

Allow 2- 4 hrs drying time between coats depending on ambient conditions.

In cooler temperatures and high humidity, a longer curing time will be required to achieve a cured film between coats.

Allow 48 hrs to dry prior to tiling. Allow longer in adverse conditions

	Wet film/coat	Dry film/coat	Total DFT
walls	0.45 mm	0.30 mm	0.6 mm
Floors	0.75 mm	0.45 mm	0.9 mm

## **Tiling over the membrane**

Adhere tiles using a cement based 1 or 2 part adhesive. CA recommends **RLA Unigrip Tile Adhesive**.

## **Recoating and repair**

The surface must be clean and free of all adhesive residues, surface dust, or any other contamination. Wash down with appropriate cleaner and flush with fresh water, and allow to dry. Loose or damaged membranes must be cut to a clean adhered edge and removed. Any exposed substrate must be primed. Apply 2 coats of membrane to the damaged area as per the coverage instructions ensuring a complete overlap of a minimum of 100mm either side of damaged area.

## **Limitations**

- **PRO-LX:**
- is not designed to stop a hydrostatic head of water pressure
- Must not be used over damp, wet or contaminated substrates
- Must not be applied if it is raining or rain is imminent.
- is not a trafficable surface
- should not be applied where the surface temperature is below 10°C or greater than 35°C
- Is not suitable for direct UV exposure
- Must not be applied directly over protective coatings

## **Clean Up**

Clean tools and equipment with warm water and detergent while the membrane is still wet

## **Packaging**

**PRO-LX** is available in 15ltr plastic pails

## **Coverage**

Wall area	0.9 ltr /m <sup>2</sup> (DFT 0.5 mm)
Floor areas	1.5 ltr /m <sup>2</sup> (DFT 0.9 mm)

## **Shelf Life**

12 months in unopened containers when stored in a cool dry and weatherproof environment

## **TECHNICAL SUPPORT**

CA provides a comprehensive range of high quality, high performance construction products. In addition, CA offers technical support and on-site advice to specifiers, end users and contractors. Please contact your CA sales representative or CA Head Office for this service

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