



## SRO 831 Waterproofing Specification – Lift Shaft Membrane Liquid Applied Membrane system – Protected

### Scope

Liquid applied membrane system applied to suitably prepared substrates to form a fully bonded seamless membrane on the positive (exterior) side of Lift Shaft Walls to prevent water penetration.

### Applications

Typical applications include;

- To lift shaft walls and adjacent basement walls not in the permanent water table

### Substrates

Suitable substrates for the liquid applied membrane systems include

- Concrete
- Core filled and reinforced concrete block walls
- Reinforced brick walls that have been finished with flush joints and/or rendered

### Substrate Preparation

Substrates to which the liquid applied membranes are to be applied must be structurally sound and free of all contaminants (e.g. laitance, form release agents). Contaminants are best removed, and smooth steel trowel finished concrete scarified by mechanical methods such as shot blasting, grinding, abrasive blasting and scarifying to achieve an open pored surface with a fine profile. The substrates should have completed the recommended minimum curing/drying periods (e.g. 28 days for concrete) with all holes/voids filled with a cement based patching mortar (e.g. [ARDEX A 46](#) or [ARDEX BR 345](#)) and all surface protrusions ground flat. .

### Liquid Applied Membrane Systems

- [ARDEX WPM 179](#) Bituminous latex – water based system
- [ARDEX WPM 157](#) Polyurethane - solvent based system

This liquid applied membrane is to be applied in a minimum of 2 coats to achieve the dry film thickness recommended on the product data sheet.

### Priming

[ARDEX WPM 179](#) is diluted with water (50%) to be used as a primer on porous substrates prior to the application of the undiluted [ARDEX WPM 179](#) membrane.

[ARDEX WPM 300](#) Hydroepoxy (one coat) is the primer for the [ARDEX WPM 157](#) membrane.

### Membrane Installation

Wet film thickness gauges are used to ensure the correct amount of material is applied to achieve a uniform dry film thickness. Two coats (minimum) are recommended to ensure any pinholes are filled and are not continuous through the total membrane.

### Drying/Curing

Liquid applied membranes require some time to dry and fully cure. Please refer to the individual product data sheets for the recommended drying/curing periods.



### **Membrane Protection**

The fully cured membrane must be covered with protection prior to backfilling or placement of the topping screeds. Protective materials include;

- 5mm minimum thickness Geotextile fabric
- Ardex Protection Board
- Approved proprietary drainage cell systems. Eg. [ARDEX DRS 10/18 GC](#)

*Note: these membranes are intended for below grade applications and are not compatible with tile adhesives.*

#### *Disclaimer:*

*The recommendation selected is based upon questions answered on the ARDEX Australia website. This recommendation is designed as a general application for your described situation and should not be considered site specific documentation for general distribution. Always consult the latest relevant ARDEX Technical Bulletins and information on the product packaging and/or product data sheets (available on the ARDEX Website). Australian and other relevant standards should be followed during installation. If you have any further questions or would like further clarification please contact the ARDEX Technical Services Hotline on 1800 224 070 (9am to 5pm Monday to Friday).*