



SRO 845 Waterproofing Specification Façade Coating and Anti-Carbonation Façade Coating Exposed - Non trafficable

Scope

Liquid applied waterproofing coating applied to suitably prepared substrates to form fully bonded seamless coating on the positive side against penetration of water vapour, chlorine ions, sulphur dioxide and carbon dioxide ions that lead to corrosion of the reinforcing steel in concrete structures in coastal location and in locations with high atmospheric pollution such as vehicle exhaust emissions.

Applications

Typical applications include;

- External wall façades
- External exposed faces of planters

Substrates

Suitable substrates for the liquid applied membrane system include

- Concrete
- Core filled and reinforced concrete block walls
- Reinforced brick walls that have been finished with flush joints and/or rendered surfaces. Eg [ARDEX WR 100](#)

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 cement based patching mortars (e.g. [ARDEX A 46](#) or [ARDEX BR 345](#)) and all surface protrusions ground flat. Ensure all drainage wastes are fitted with suitable flanges onto which the membrane can be terminated.

Liquid Applied Membrane Systems

- [ARDEX WPM 330](#) Anti-carbonation membrane coating

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

The standard primer for dry external substrates is [ARDEX WPM 270](#) Solvent primer.

[ARDEX WPM 300 \(or ARDEX WPM 368\)](#) is used as a primer for this membrane where the substrate is damp (i.e. more than 5% moisture content). The [ARDEX WPM 300 \(or ARDEX WPM 368\)](#) must be dry prior to the application of the [ARDEX WPM 330](#).

Membrane Installation



This liquid applied membrane system is typically applied with brush and roller equipment.

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

Curing/Drying

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

Membrane Protection

This membrane is UV stable and can be left fully exposed without additional protection.

Note:

- *ARDEX Façade Coatings are not designed as undertile membranes.*

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).