

October 8, 2015

## **SRO985 Façade Coating & Waterproofing Systems for Brickworks Building Products - Pronto Panel**

### **SCOPE**

This recommendation is regarding the bonding of the Pronto Panels prior to the application of a proprietary render and a waterproofing coating finish. The Pronto Panel system is intended for installation as internal (wet & dry areas); and external (covered & exposed) non-load bearing walls.

### **INSTALLATION OF THE PANELS**

The Pronto Panels are said to be 65mm thick panels with the outer face consisting of a Calcium Silicate board. Installation shall be in accordance with the manufacturers' instructions with the panels bonded together with the Pronto Panel Adhesive.

- The adhesive mix is 5 litre of clean water to 20kg of powder. The powder is added gradually to the water while mixing with a slow speed electric paddle mixer. Mix to a creamy lump free consistency and let stand for 3-5 minutes prior to application.
- Apply the mixed adhesive to the horizontal & vertical surfaces with a 4mm notched trowel. Position the panels by gently using a rubber mallet to secure the panels into the final position. Use a spirit level to check alignment of the panels and ensure the adhesive joints are approximately 2 - 3mm wide. Allow the adhesive to set for 24 hours before application of the render system.

### **APPLICATION OF RENDER**

Once the joint adhesive has dried for 24 hours, the joints are to be treated as follows;

- Ensure the excess adhesive is removed from the joint surface.
- Dilute 1 volume of ARDEX WR PRIME in 5 volumes of water and mix well.
- Prime all surfaces with the diluted ARDEX WR PRIME at a rate of approximately 6 sqm per litre and let dry to a clear dry film.
- Apply the ARDEX WR31 Jointing Compound over the joints with a steel trowel in a strip wider than the jointing tape.
- While the ARDEX WR31 base coat is still wet, lay the appropriate jointing tape into the jointing compound and immediately cover with a second coat of jointing compound. Ensure the jointing compound is smoothed out to a feathered edge while the compound is still wet.
- The base coat of the ARDEX WR100 modified Acrylic Render can be applied to all primed surfaces after the jointing compound has dried for 4-6 hours (dependent upon climatic conditions at site). The render application is from 2-5mm thick.
- The ARDEX WR100 Render will be fully cured after 7 days although over-coating with the waterproof finish can be done after 24 hours drying.



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### SRO985 Façade System – Pronto Panel

#### WATERPROOFING

The ARDEX WPM310 (or ARDEX WPM330) Façade coating shall be applied over the dry render as follows;

- Prime the dry render with the diluted ARDEX WR PRIME at approximately 5-6 sqm per litre and let dry.
- *Note: If the hardened render is still damp after 24 hours drying, apply one coat of ARDEX WPM300 Hydrexpoxy at not more than 3 sqm per litre and let dry overnight.*
- Once the primer has dried, apply the ARDEX WPM310 (or WPM330) Façade coatings in two coats approx. 4 hours apart to achieve a dry film thickness of 0.35mm. The coating may be applied by brush or roller. A smoothly textured surface can be achieved by selection of a suitable roller for the application.
- The façade coat will dry in 24 hours.

#### *Disclaimer:*

*This recommendation is designed as a general application for the described applications. 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).*

Ardex Technical Services