

## TECHNICAL BULLETIN – TB215-Appendix

### JAMES HARDIE SCYON EXTERNAL FLOOR SHEETING – INSTALLATION OVERVIEW

Date, Wednesday, 22 February 2012

#### INTRODUCTION & SCOPE

This bulletin is an appendix to TB215 and gives an overview for installation methods in regards to waterproofing/tiling methods based on selected sheet layout systems. It replaces the shortened version of TB193.

#### INSTRUCTIONS

- 1) Dependent on sheet layout which can be either.
  - a) Squared sheet layout (sheet joints are aligned)
  - b) Staggered sheet layout (sheet joints are in brick pattern)will determine method of ceramic tiles installation. (refer to page 3 of James Hardie Scyon™ Secura™ installation instructions (2012) Figs. 3 & 5).
- 2) The structural frame system must be constructed so as to accommodate falls to outside edges of the Scyon™ Secura™ sheets when installed. Therefore **NO** waste outlets to be installed within the panel system (see Fig.2. page 2 of Scyon™ Secura™ instructions).
- 3) Consideration must be given at the design stage for finished floor level heights at doorways, entry points as well as weep holes in walls. The sheet pattern must be finalised at this point.
  - a) Squared sheet layout: direct fixing of ceramic tiles
  - b) Staggered sheet layout: self supporting reinforced mortar bed and tiles
- 4) Control joints and expansion joints are critical in any external tiling system and the following must be adhered to:
  - a) Squared sheet layout: all sheet joints to be filled with silicone sealant and carried up through the tiling system generally at sheet ends (2.7) and 4.2m etc., and to include a 5mm silicone expressed joint (see Fig.14 & 15 on page 4 of Scyon™ Secura™ instructions).  
No mortar bed can be installed on this system.
  - b) Staggered sheet layout: All sheet joints to be filled with silicone (see Fig.14 & 15 on page 4 of Scyon™ Secura™ instructions).  
Slip sheet (0.2mm 'Forticon' plastic) or similar  
40mm mortar bed reinforced with galvanised 75x75x2mm metal mesh (either Ardex WPM405 or Ardex Abacrete can be added to the screed material at mixing)



Control joints/expansion joints at maximum 4.5m centres on a grid pattern (alignment with sheet joints is not required).

5) Waterproofing/tiling over Scyon, refer to the main technical bulletin TB215.001 (issued 22/02/2012).

**IMPORTANT**

This Technical Bulletin provides guideline information only and is not intended to be interpreted as a general specification for the application/installation of the products described. Since each project potentially differs in exposure/condition specific recommendations may vary from the information contained herein. For recommendations for specific applications/installations contact your nearest Ardex Australia Office.

**DISCLAIMER**

The information presented in this Technical Bulletin is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of a product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

**REASON FOR REVISION - ISSUER**

New document to replace TB193.005App after changes to the James Hardie Scyon™ Secura™ instructions.

**DOCUMENT REVIEW REQUIRED**

- 1) When TB215 is altered
- 2) When James Hardie Scyon instructions are altered
- 3) 24 months from issue

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