



For Howard Tse, Technical Services Engineer

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Customer CSR

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Subject Cemintel Constructafloor™ Interior and Exterior

Background

In 2012 ARDEX was asked to provide suitable adhesive, membrane and floor systems to be applied over CSR Cemintel “low density” fibre cement sheet flooring. The products are branded as : Cemintel Constructafloor™ Interior and Cemintel Constructafloor™ Exterior.

In July 2019 Howard Tse of CSR contacted ARDEX and wanted the document re-issued to make sure it was up to date. Since the time of testing (2012) and the preparation of the document TSD580-V2, CSR confirms no significant changes have been made to the make-up or chemistry of the boards. Based on this, ARDEX re-issues this document with only some minor changes.

Sample Description

The sealed sheets are 19 mm thick with tongue and groove edges. The tongue is machined from the sheet material. Thicker sheets up to 30 mm are also available. Because they are made of the same material the recommendations in this report apply also.

Testing description

Tensile adhesion testing of the nominated systems was done after 28 days dry and 7 days dry/21 wet as in ISO13007.

Recommendation

On the next page is a list of acceptable systems. These systems apply both to ARDEX products purchased in Australia and in New Zealand. Please note joint treatment must comply with CSR Cemintel recommendations and all work must comply with AS3958.

**A) INTERNAL DRY AREAS – Direct application of tiling**

1. ARDEX WPM300 with broadcast sand as the primer with any of the following tile adhesives : ARDEX X56, ARDEX Abaflex, ARDEX X18 mixed with E90, ARDEX X10 mixed with E90.
2. ARDEX Multiprime with ARDEX Abaflex or ARDEX X52

B) INTERNAL DRY AREAS – Floor smoothing

1. ARDEX P82 primer with ARDEX Arditec NA (sheet joints may develop cracks. This can be minimised by installing a strip of renders fibreglass mesh, 10 mm mesh size, 200 mm wide over each sheet joint.
2. ARDEX WPM300 primer with broadcast sand with ARDEX Arditec NA (cracking comments above apply)

C) INTERNAL WET AREAS WITH FALLS – Direct application of waterproofing

1. ARDEX WPM300 primer + ARDEX WPM001 membrane
2. ARDEX WPM300 primer + ARDEX WPM002 membrane
3. ARDEX WPM300 primer + ARDEX WPM155 membrane

D) INTERNAL WET AREAS WITH FALLS – Tiling to membranes in C) above

1. ARDEX X18, ARDEX Abaflex, ARDEX X10 with E90, ARDEX X77, ARDEX X77 with E90, ARDEX X78, ARDEX X78 with E90, ARDEX X52

E) EXTERNAL AREAS WITH FALLS – Direct application of waterproofing

1. ARDEX WPM300 primer + ARDEX WPM001 membrane
2. ARDEX WPM300 primer + ARDEX WPM002 membrane
3. ARDEX WPM300 primer + ARDEX WPM155 membrane with ARDEX Deckweb for detailing.

F) EXTERNAL AREAS WITH FALLS – Tiling to membranes in E) above

1. ARDEX X18, ARDEX Abaflex, ARDEX X10 with E90, ARDEX X77, ARDEX X77 with E90, ARDEX X78, ARDEX X78 with E90

G) EXTERNAL AREAS WITH FALLS – Light traffic walkable membrane

1. ARDEX WPM300 + ARDEX WPM908 – Board joints must be treated with ARDEX Construction Detail bandage.



Report Basis Conditions

1. All Ardex/Dunlop products examined and used, have been compared to the recommendations within their Ardex/Dunlop product datasheets and packaging, or any altered requirements in Ardex/Dunlop Technical Bulletins or Ardex System Recommendations which supersede the standard product datasheets. Where a system has been installed in previous years (but within the warranty period) using literature or data now superseded, that information shall be referred to in any discussion of the complaint, not the current information.
2. All third party products used as part of a system, shall be installed in accordance with the product manufacturers recommendations. Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant third party product information or datasheets.
3. All constructions and installations shall comply with the relevant sections of the most recent edition of the National Construction Code of Australia – NCC (formerly the 'BCA' or 'CCA'). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections of the NCC.
4. All ceramic tile related installations shall be checked for concordance with the most recent edition of the Australian Standard AS3958 and where applicable ISO13007 (AS4992). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
5. All waterproofing related installations or products shall be checked for concordance with the relevant sections of the most recent editions of the Australian Standards AS/NZS4858 (performance), AS3740 (internal) or AS4654 (external). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
6. All flooring installations shall be checked for concordance with the relevant sections of the most recent edition of AS1884 (resilient) or AS/NZS2455 (textile). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
7. Ardex reserves the right to reference external materials such public domain documents on the internet, professional literature and textbooks, and government or professional body data.
8. Where Ardex/Dunlop Technical Bulletins and Datasheets are discussed, they can be sourced from the website www.ardexaustralia.com.au or Dunlopdiy.com and are considered 'public domain documents'.

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