

# LIQUID TANKING MEMBRANES

## FOR USE UNDER SHEET VINYL AND LUXURY VINYL TILE

This document is to give guidance on a suitable system for the installation of ARDEX liquid waterproofing membranes that are to be overlaid with a flooring system other than ceramic tile. This guidance offers potential ARDEX solutions to assist in meeting NZBC E3/AS1 and NZBC E3/AS2 as an alternative solution. All concrete substrates and moisture testing must comply with AS1884:2021. For substrates other than concrete please contact your local ARDEX account manager.

### LIQUID CONTAINMENT MEMBRANE

The recommended waterproof membrane applied over the floor base and up the walls is ARDEX WPM002 Superflex Two Part with a dry film thickness of 1.2-1.5mm.

An alternate membrane is ARDEX WPM155R which must be applied at a minimum of 1.0mm dry film thickness on the floor. This requirement must be observed and exceeds the general thickness recommendation on the datasheet for WPM155R for tiling type applications.



### FAIRING COAT

A fairing coat is required for several reasons.

- The surface of the membrane is typically quite heavily textured, leading to potential show through issues with the vinyl
- The membrane is non-porous which can create a problem for water-based vinyl adhesives
- Vinyl laying operations can damage the membrane

The fairing cement recommended is ARDEX Feather Finish or ARDEX Fine Finish 1.5mm thick on floors and 1mm thick on walls. Alternatively, Ardite NA 2-3mm thick can be applied to the floor for a thicker build and increased resistance to damage.

### ADHESIVES

The following appropriate adhesives can be used for installing the sheet vinyl or luxury vinyl tile:

- ARDEX AF180MS which is a specialised modified silane adhesive which is water resistant
- ARDEX AF145 is a water-based, solvent-free, low odour, pressure sensitive and wet set acrylic emulsion-based floorcovering adhesive
- ARDEX AF2525 two-part heavy duty floorcovering adhesive
- ARDEX CA20P silane adhesive/sealant can be used to bond mouldings and covings but is not fast grab like contact adhesives

### INSTALLATION NOTES

- The installation of all ARDEX products must comply with the relevant data sheets
- For the use of heating or sound reduction in this system please contact ARDEX Technical Services
- All detailing must comply with NZBC E3/AS1 amendment 7 2020 and the Code of Practice for Internal Wet Area Membrane Systems 4th edition 2020
- Installation of any ARDEX liquid waterproofing membrane must be undertaken by a current ARDEX certified applicator
- Warranties for the above systems will only be issued when all the components of the full systems are installed, no replacements or alternatives are acceptable.

To find out more call 0800 277 339  
or visit [ardex.co.nz](http://ardex.co.nz)

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