



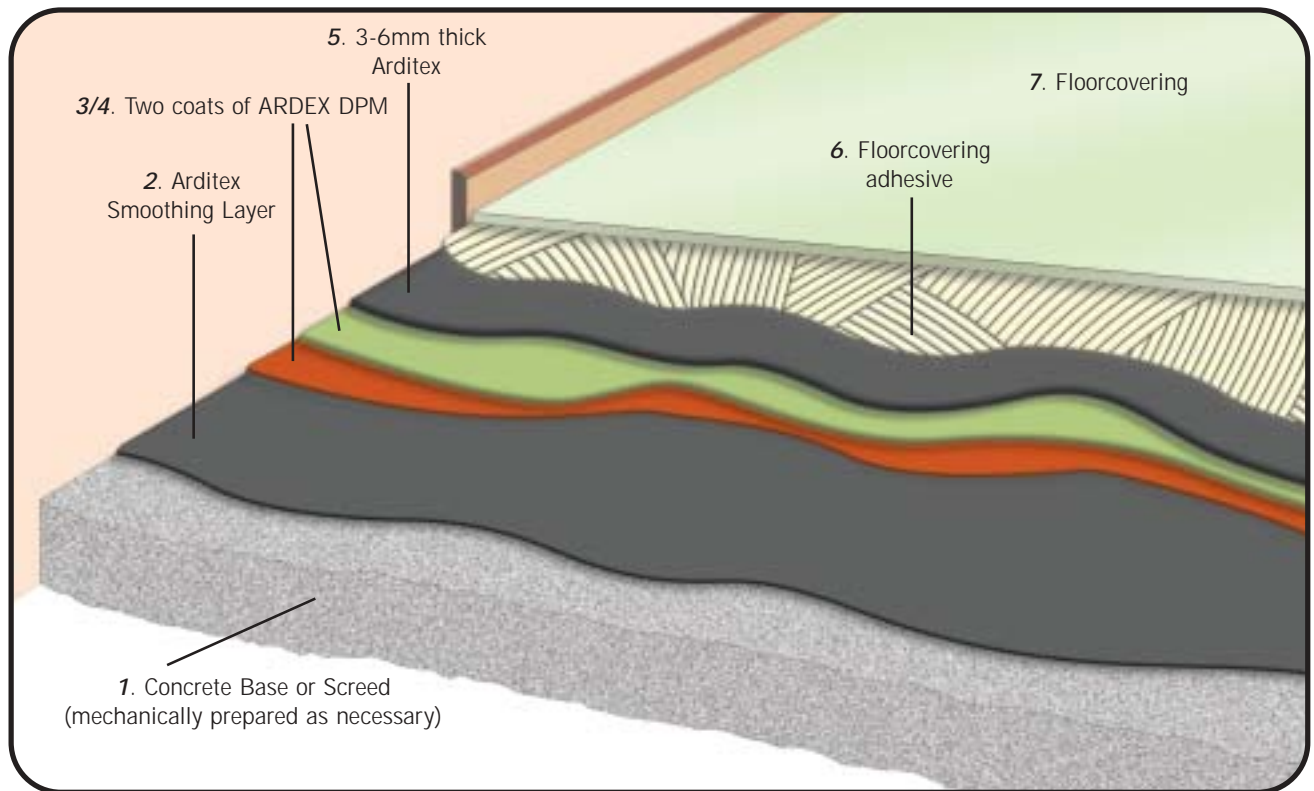
**HIGH PERFORMANCE  
TILING AND FLOORING PRODUCTS**

CI/SfB

(43) V

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DESIGN DATA

# ARDEX DPM/ARDITEX SURFACE DAMP PROOF MEMBRANE SYSTEM



## NOTES:

- A. Mechanical preparation methods include scabbling, scarifying, contained shot blasting etc., to provide a clean and sound base. If the base is sufficiently smooth, then the initial layer of Arditex may be omitted.
- B. Curing agents and admixtures can impair adhesion. Where doubt exists, or compatibility is unknown, a trial adhesion test with ARDEX DPM or Arditex should be carried out where applicable.
- C. Structural joints must not be bridged with ARDEX DPM/Arditex Damp Proof Membrane System. These must be sealed with a suitable impervious, flexible jointing compound after the ARDEX DPM has been applied to the surfaces either side of the structural joint. Any other joints in the concrete base where differential movement is anticipated should be treated in the same way and brought up through the floor finish and treated appropriately.
- D. Arditex is suitable for use under a DPM. Apply Arditex latex underlayment to pre-level the screed, incorporating aggregate where necessary in accordance with the Arditex product data sheet and ensuring at least 1mm cover on the high spots to provide a uniformly absorbent base for the subsequently applied ARDEX DPM.

**NOTE:** Where the sub-floor requires building up to accommodate levels, this should be carried out in accordance with the Arditex technical literature prior to applying the surface DPM.

- E. Apply Arditex latex underlayment on top of the cured ARDEX DPM membrane at a thickness of at least 3mm, but not exceeding 6mm, to provide a uniformly absorbent base for the subsequently applied flooring adhesive.
- F. All materials must be mixed and applied in accordance with the ARDEX DPM instructions. N.B. Do not use excess latex liquid when mixing the Arditex.





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## APPLICATION

Apply an even coat of the mixed ARDEX DPM by means of a 2mm x 5mm V shaped notched trowel. Whilst the ARDEX DPM is still wet, the serration ridges should be flattened out with a long handled short pile paint roller, initially pre-wetted with the mixed ARDEX DPM.

The thickness of application should not be less than 200 microns per coat, this can be checked using the ARDEX wet film thickness gauge. Coverage of 4m<sup>2</sup>/kg should not be exceeded.

**NOTE:** Coverage rates will be reduced by rough, porous substrates, pre-smoothing with Arditec or Ardurit S21 is recommended to aid application and improve yield.

**NOTE:** Arditec should only be used if the DPM will be subsequently coated with Arditec.

It is essential that the applied ARDEX DPM is continuous and free from pinholes or cavities, otherwise an additional application will be necessary. Allow to dry between coats. The second coat can usually be applied approximately 8 hours after the first one.

### *Latex Underlayment (Arditec)*

- 1 Apply an even continuous coat of mixed ARDEX DPM as per application instructions and allow to cure, usually 8 hours at 20°C.
- 2 Apply a second coat of ARDEX DPM as above but, at right angles to the first coat and allow to cure, usually 8 hours at 20°C.
- 3 Apply Arditec smoothing compound to a minimum depth of 3mm, maximum 6mm to the cured ARDEX DPM and allow to dry.

### *Self-levelling Underlayment (Ardit Underlayments)*

- 1 Apply an even continuous coat of mixed ARDEX DPM as per application instructions and allow to cure, usually 8 hours at 20°C.
- 2 Apply a second coat of ARDEX DPM as above but, at right angles to the first coat and allow to cure, usually 8 hours at 20°C.
- 3 Prime the cured ARDEX DPM with Ardion 82 primer (consult priming and preparation data sheet) and allow to dry.
- 4 Apply the required Ardit smoothing compound to a minimum depth of 3mm, maximum 6mm and allow to dry.

**NOTE:** If the existing sub-floor is not sufficiently smooth, pre-levelling can be undertaken with Arditec smoothing compound when using Arditec or Ardurit S21 rapid hardening mortar when using Ardit smoothing compounds.

### *Installing A Rapid Dry Screed With No Damp Proof Membrane*

- 1 Mechanically prepare the concrete slab to expose a clean, sound surface.
- 2 Apply an even continuous coat of mixed ARDEX DPM as per application instructions and allow to cure, usually 8 hours at 20°C.
- 3 Apply a second coat of ARDEX DPM as above but at right angles to the first coat and allow to cure.
- 4 Apply a third coat of ARDEX DPM and whilst still tacky, blind with 600 micron dry silica sand or ARDEX fine Aggregate and allow to cure.

**NOTE:** Apply sufficient sand to give a key free from resin. Remove excess sand by vacuum cleaner when cured.

- 5 Apply a bonded Ardurapid 35 rapid setting, hardening and drying screed (consult product data sheet).

ARDEX materials are also manufactured in Australia, Austria, Denmark, Germany, Spain, U.S.A., and represented throughout the World.

**NOTE:** The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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