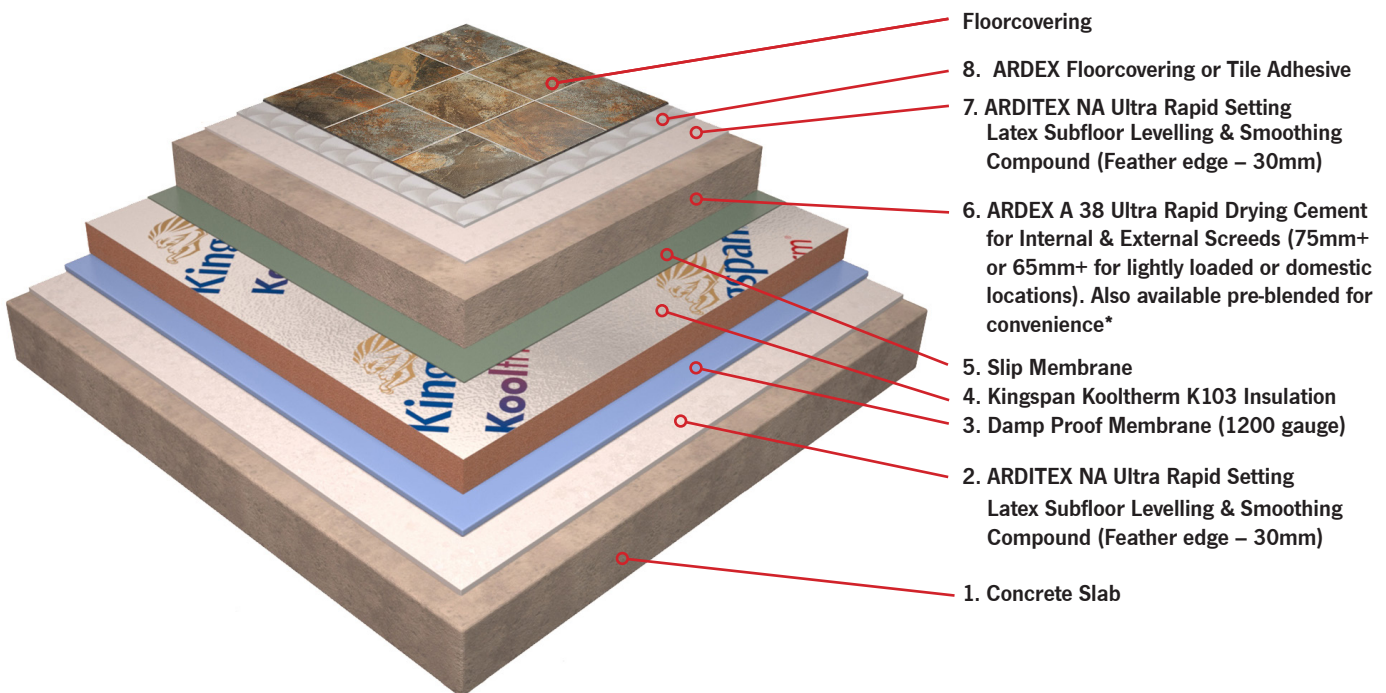




**HIGH PERFORMANCE
FLOORING AND TILING PRODUCTS**

**ARDEX FLOATING SCREED SYSTEM
WITH KINGSPAN KOOLTHERM INSULATION**



1. Allow the concrete slab to dry out fully. Beam and block floors should be level and grouted.
2. Apply ARDITEX NA Ultra Rapid Setting Latex Subfloor Levelling and Smoothing Compound to achieve a level surface, and to prevent protrusions from the slab coming into contact with the Kingspan Kooltherm panels. ARDITEX NA can be applied direct to concrete without priming, up to a thickness of 12mm neat or 30mm with the inclusion of ARDEX Coarse Aggregate. Allow time to harden before proceeding further, typically just 3 hours after application under normal temperature conditions.
3. When laying the damp proof membrane (DPM), lay it with joints well lapped and folded. Bring the DPM up the foundation wall until it is sufficiently above the wall damp proof course (DPC) so it can join with or form the DPC.
4. The insulation boards should always be loose-laid break-bonded, with joints lightly butted.

If two layers of insulation are required, they should be horizontally offset relative to each other so that, as far as possible, the board joints in the two adjacent layers do not coincide with each other.

A strip of the insulation board (minimum 20mm thick) should be placed vertically around the perimeter of the floor slab in order to prevent cold bridging. The top of the strip of insulation board should be level with the top of the floor screed and the bottom should be level with the bottom of the horizontal floor insulation, and closely butted up to it.

5. Overlay the system with a slip membrane (not less than 125 micron/500 gauge) to prevent wet screed from penetrating the board joints or to act as a slip layer and vapour control layer for floating floors.

Ensure the slip membrane has 150mm overlaps, taped at the joints, and is turned up 100mm at the walls.

- Lay the screed using ARDEX A 38 Ultra Rapid Drying Cement for Internal & External Screeds to a minimum of 65mm for lightly loaded or domestic locations, or 75mm for all other building types.
- Allow time to harden before installing the final floorcovering; with ARDEX A 38, this can be as little as 4 hours.

- If required, particularly before installing resilient floorcoverings such as vinyl, PVC and rubber, firstly apply a final layer of ARDITEX NA to create a level and smooth surface. ARDITEX NA
- can be ready to receive ceramic tiles after just 3 hours, and other floorcoverings after just 4 hours.

Install floorcovering using an ARDEX Flooring or Tile Adhesive.

ARDITEX NA

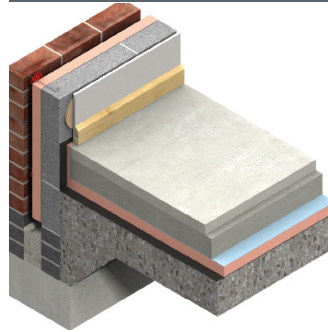
Ultra Rapid Setting Latex Subfloor Levelling and Smoothing Compound



- Creates a smooth and level surface ideal for installing insulation panels and floorcoverings
- Install insulation panels and floorcoverings in as little as 3 hours
- Unaffected by moisture – can be applied direct to damp concrete
- Excellent adhesion without priming to almost all substrates
- Suitable for use with underfloor heating
- Apply feather edge up to 12mm neat, or up to 30mm incorporating ARDEX Coarse Aggregate

Kingspan Kooltherm K103 Floorboard

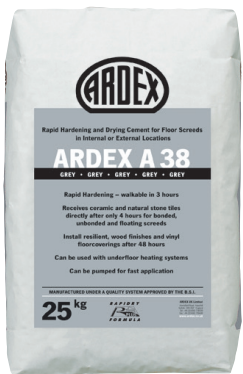
Insulation For Floors



- Premium performance rigid thermoset phenolic insulation – thermal conductivity of 0.018 W/m.K
- Can reduce the cost of related items – soil removal, service connections
- Unaffected by air infiltration
- Resistant to the passage of water vapour
- Easy to handle and install
- Manufactured with a blowing agent that has zero ODP and low GWP
- Non-deleterious material

ARDEX A 38

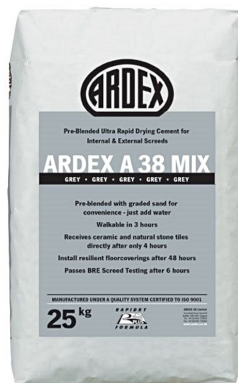
Ultra Rapid Drying Cement for Internal & External Screeds



- Walkable after 3 hours
- Fix ceramic and natural stone tiles after 4 hours, and carpet, vinyl and wood floorcoverings after 2 days
- Passes BRE In-Situ Crushing Resistance Testing after 6 hours
- Commission underfloor heating after 3 days
- Suitable for internal and external use, including wet areas

*ARDEX A 38 MIX

Pre-Blended Ultra Rapid Drying Cement for Internal & External Screeds



- Pre-blended with graded sand for convenience – just add water
- Ideal for screeding in locations where access is limited
- Fix ceramic and natural stone tiles after 4 hours, and carpet, vinyl and wood floorcoverings after 2 days
- Passes BRE In-Situ Crushing Resistance Testing after 6 hours
- Commission underfloor heating after 3 days
- Suitable for internal and external use, including wet areas

For further information, please consult the relevant product datasheets at www.ardex.co.uk and www.kingspaninsulation.co.uk.

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.

ARDEX UK Ltd Homefield Road, Haverhill, Suffolk CB9 8QP. Telephone: 01440 714939 Fax: 01440 716640
Email: technical_admin@ardex.co.uk ARDEX online: www.ardex.co.uk