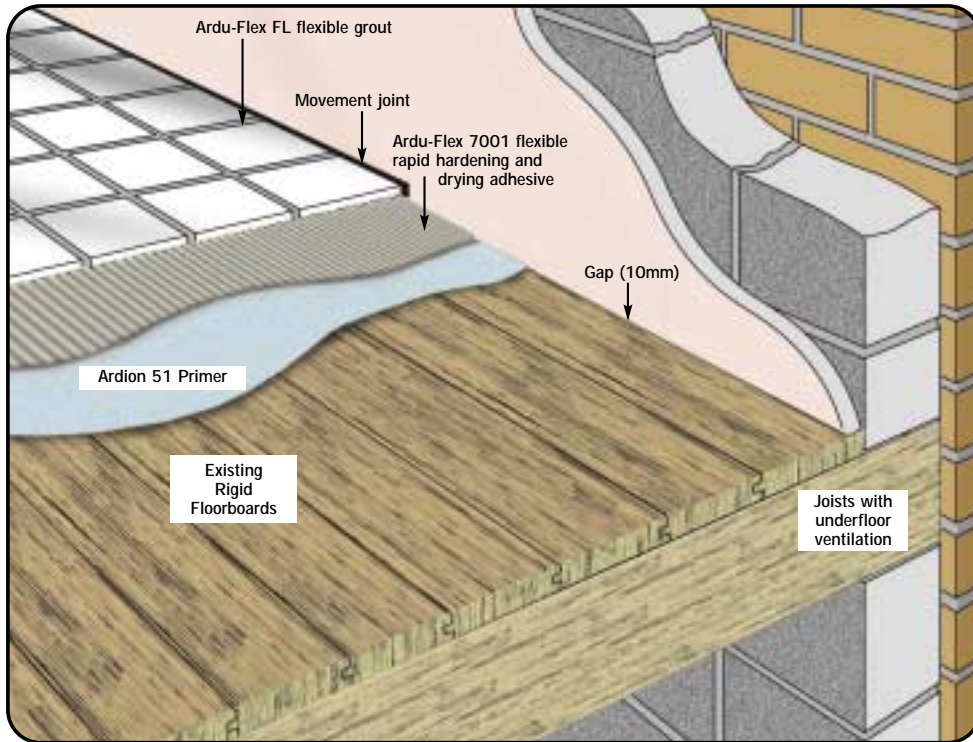




Fixing Ceramic Tiles to existing suitable Tongued and Grooved Floorboards



ARDU-FLEX 7001 TIMBER SYSTEM
Flexible Rapid Hardening and Drying Floor Tile Adhesive for Timber Floors

Features

- Ideal for fixing floor tiles to wood-based sheets and boards
- Rapidry Formula technology chemically binds all the mix water, reducing the risk of mix water affecting wooden substrates
- Rapid hardening and drying - can be trafficked and grouted 2 hours after fixing
- Use with all tile types including fully vitrified and porcelain
- Mix consistency facilitates solid bedding
- Ideal for natural stones - reduced risk of water staining
- Excellent adhesion and easy to work
- Built-in admix

ARDU-FLEX FL
Rapid Setting Flexible Tile Grout with Built-in Admix

Features

- Rapid setting - receives foot traffic in 1 1/2 hours
- For tile joint widths 3-15mm
- Suitable for wall and floor tiling
- For internal and external applications
- Available in grey or white
- Built-in Admix

ARDION 51
Primer for use as part of the Ardu-Flex 7001 Timber System

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Fixing Ceramic Tiles to existing suitable Tongued and Grooved Floorboards



SURFACE PREPARATION

Prior to tiling, ensure that the boards are dry, i.e. conditioned to the environment in which they will be used and are rigidly fixed, ventilated beneath and free from barriers to adhesion.

Existing tongue and groove softwood floor boards of traditional construction should be screwed or ring nailed down to the joists to provide a rigidly fixed, flat and adequately braced surface. Any existing floor polish, wax, old adhesive etc, should be removed, e.g. by sanding to expose a clean surface prior to tiling.

Plywood and flooring grade chipboard should have the backs and edges sealed e.g. with Polyurethane varnish and be at least 18mm thick and screwed or ring nailed down to the joists at 300mm centres or less. The board surface should be clean and free of barriers to adhesion e.g. fire retardants, impregnated wax etc. Where existing floor sealers, wax or other applied materials exist, these must be thoroughly removed to expose the original timber surface. Some chipboard floor systems require the joists to be glued together and guidance from the manufacturer should be sought.

If the Tongued and Grooved floor boards are not in good condition, i.e. flat and free of contamination or require prelevelling, refer to the 'Fixing Ceramic Tiles to Plywood or Tongued and Grooved Flooring that require prelevelling' design data sheet. In all cases, the timber surface to be tiled should be stable and adequately strong and suitably rigid to withstand the imposed loads without deflection. Extra noggins maybe required between the joists to stiffen the floor as advised in BS 5385-3:1989 clause 14.4. Ceramic floor tiles should not be used on timber based boards in wet areas, or external locations.

PRIMING

The prepared board surface must be primed with Ardion 51 primer. The primer should be applied undiluted by brush in one coat only and allowed to dry, at least 1 hour at 20°C.

MIXING

Ardu-Flex 7001 powder is added to water in a clean container whilst stirring and mixed thoroughly to give a fluid easily worked mortar.

Approximately 3 1/2 parts Ardu-Flex 7001 to 1 part water. A 22kg bag of Ardu-Flex 7001 requires approximately 5 litres of water.

The mortar is immediately ready for use and has a pot life of approximately 1 hour at 20°C.

Ardu-Flex 7001 should be applied at temperatures above 5°C.

FIXING TECHNIQUE

The mixed mortar is applied onto the prepared sub-floor and combed through with the appropriate notched trowel to give straight ribs of mortar. The workability of the Ardu-Flex 7001 allows the floor tiles to be fixed in a single operation so that no voids are left beneath the tiles.

The ribbed bed of mortar has an 'open time' of up to 15 minutes. The area covered by the ribbed mortar bed should be limited so that tiles can be bedded within the open time. When the mixed mortar begins to stiffen the mortar must be discarded, do not add more water. In general, use the following square notch patterns:

8mm x 8mm for general floor tiling or 10mm x 10mm for keyed extruded tiles.

The size of notched trowel can be altered depending on the bed thickness required and the profile on the back of the tile but solid bedding should always be achieved and checked for, as advised in BS 5385-3 and BS 8000 : Section 11.1.

The adhesive bed thickness achieved using the above notched trowels should be between 1 and 4mm.

The newly laid tiles can be adjusted for up to 15 minutes after fixing.

GROUTING

The floor tiles can be grouted with Ardu-Flex FL rapid setting grout, once the Ardu-Flex 7001 has hardened sufficiently to support light foot traffic. This is typically 2 hours after fixing at 20°C, depending on the porosity of the tile and the background.

COVERAGE

ARDU-FLEX 7001 TIMBER SYSTEM

A 22kg bag of Ardu-Flex 7001 will yield approximately 15.5 litres of mortar, equivalent to approximately 5.25m² of a solid 3mm bed of adhesive. Approximately 1.4kg of Ardu-Flex 7001 powder/ m²/mm of bed thickness.

ARDU-FLEX FL

0.25kg/m² to 2kg/m² depending on tile size and joint width - see literature.

PACKAGING

ARDU-FLEX 7001 TIMBER SYSTEM

Ardu-Flex 7001 is packed in paper sacks incorporating a polyethylene liner - net weight 22kg.

ARDU-FLEX FL

Ardu-Flex FL is packed in paper sacks incorporating a polyethylene liner - net weight 11kg or 5kg.

ARDION 51

Ardion 51 is packed in high density polyethylene containers - net weight 5kg or 1kg.

STORAGE

Ardu-Flex 7001 has a storage life of not less than 12 months if stored in dry conditions in the original packaging.

Ardu-flex FL has a storage life of not less than 12 months if stored in dry conditions in the original packaging.

Ardion 51 primer has a storage life of not less than 12 months if protected from frost and direct sunlight in the original unopened containers.

QUALITY ASSURANCE

All materials are manufactured under a quality assurance system approved by the B.S.1.

