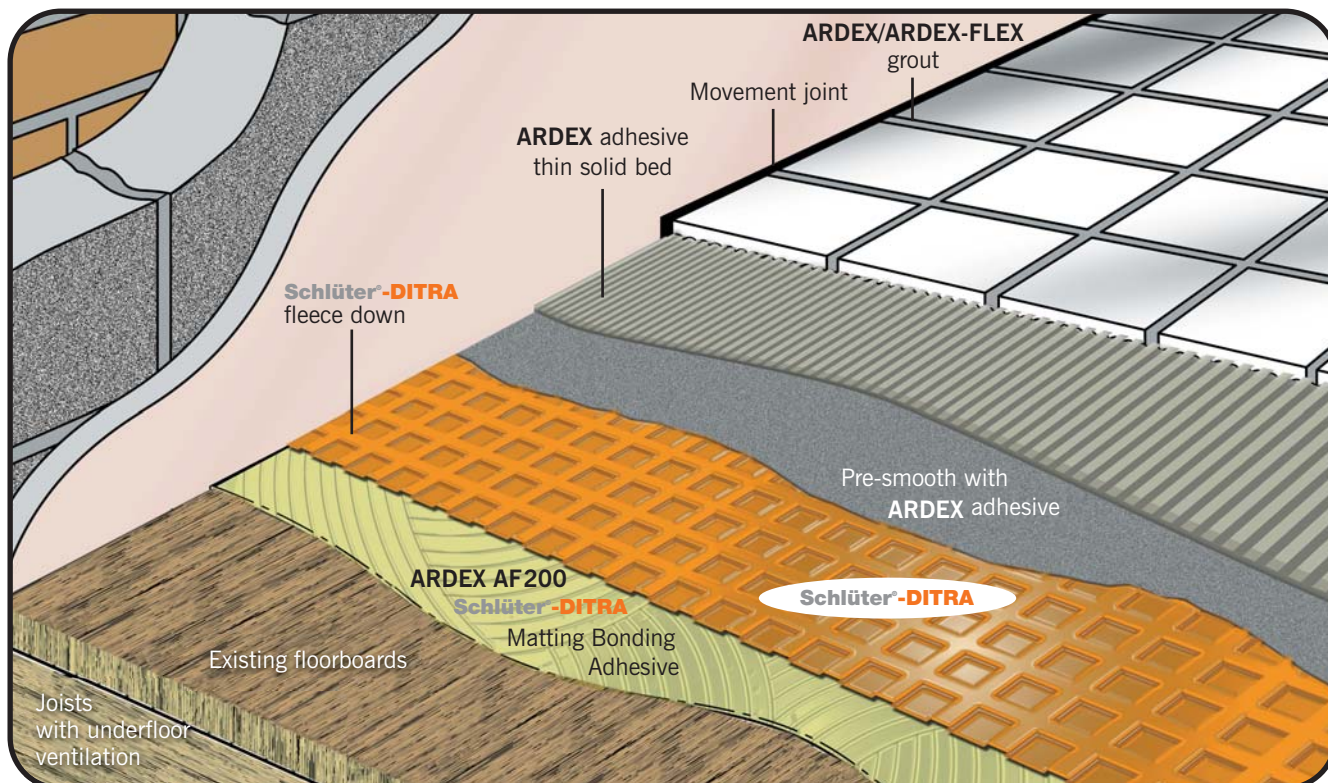


Fixing Ceramic Tiles to Schlüter®-DITRA on Timber Floors



INTRODUCTION

Schlüter-DITRA is designed as an intermediate substrate system on floors, prior to the fixing of ceramic/natural stone tiles in ARDEX adhesives.

It is primarily used onto wood-based sheets and boards where possible movement at board junctions could otherwise lead to cracking of the floor tiles. **Schlüter-DITRA** is also designed for overlaying timber substrates where a waterproofing system is required in bathrooms and showers etc.

APPLICATION

Ensure adequate underfloor ventilation.

Remove any existing floorcoverings. The timber floor construction should be load bearing, clean, free of dust and other contaminants, dry and as level as possible. Re-fix loose boards and replace any damaged boards.

Dry fit the **Schlüter-DITRA**, prior to adhering to the sub-floor.

Using a 2mm x 6mm serrated trowel, apply a ribbed adhesive bed of **ARDEX AF 200** general purpose adhesive over the floorboards to secure the fabric fleece on the underside of the mat.

NOTE: It is important that sufficient adhesive is used to adhere the matting in place.

Lay the **Schlüter-DITRA** into the wet/tacky **ARDEX AF 200** general purpose adhesive and press firmly into place, abutting all edges. If a waterproofing system is required, the mat joints should be sealed with **Schlüter-KERDI-BAND**, secured with the **Schlüter-KERDI-COLL** adhesive.

Select the appropriate ARDEX adhesive, as below, and apply the mortar into the mat surface to completely fill the square cavities. The filling application can be allowed to harden prior to the fixing of the tiles, if setting out or access is required. To the filled mat surface, apply additional adhesive with a notched trowel appropriate to the type and size of tile being fixed, ensuring that solid bedding of the tiling is achieved.

Note: The minimum tile size recommended is 50mm x 50mm.

For most sizes of floor tiles **ARDEX X77/X77W**, can be used. Should a rapid setting adhesive be required, **ARDEX X77S/X77WS** should be considered. The use of **ARDEX X78S/X78SW** semi-pourable adhesive enables even large format tiles to be fixed without the need to butter the back profile. Note that the above adhesives are suitable for fixing all tile types, including fully vitrified and porcelain tiles. If fixing light coloured natural stone tiles where residual moisture in a normal drying adhesive may affect the colour of the tile body, the use of **ARDEX S16W** white rapid setting and drying adhesive, incorporating **ARDEX E 90** admix, or **ARDEX X7001W**, or **ARDEX S20W** (max 10mm thick) flexible rapid hardening and rapid drying natural stone tile adhesives are recommended. These three adhesives are also available in grey.

For grouting the tiles to produce a water repellent, flexible joint we recommend the use of either **ARDEX-FLEX FL** (for joint widths 3-15mm), **ARDEX-FLEX FS** (for joint widths 1-4mm), both available in 32 colours, or **ARDEX C2** incorporating **ARDEX E 101** (for joint widths 2-20mm) available in 6 colours.

Movement joints should be included at room perimeters and where tiling abuts fixed objects. Tile surface movement joints should be incorporated over any substrate change and in larger tiled areas.





ARDEX AF 200

Schlüter® DITRA Matting Bonding Adhesive

Features

- Suitable for adhering Schlüter®-DITRA Matting to timber floors
- High initial tack
- Extended tack time
- Economical
- Water-based, solvent free formulation
- Very low odour
- Easy to apply

DESCRIPTION

ARDEX AF 200 is a water-based, low odour, solvent free, high quality dispersion adhesive based on synthetic resin/rubber emulsion with mineral fillers. ARDEX AF 200 has excellent wet grab and an exceptionally long tack time, with very good early and long term adhesive strength and is odourless when dry.

APPLICATION OF SCHLÜTER® DITRA MATTING

Ensure adequate underfloor ventilation. Remove any existing floorcoverings. The timber floor construction should be load bearing, clean, free of dust and other contaminants, dry and as level as possible. Re-fix loose boards and replace any damaged boards. Dry fit the Schlüter® DITRA prior to adhering the sub-floor. Using a 2mm x 6mm serrated trowel, apply a ribbed adhesive bed of ARDEX AF 200 over the floorboards to secure the fabric fleece on the underside of the mat. **Note:** It is important that sufficient adhesive is used to adhere the matting in place. Lay the Schlüter® DITRA into the wet/tacky ARDEX AF 200 and press firmly into place abutting all edges.

COVERAGE

Notch size 2mm x 6mm. 5 litres = 15m² and 15 litres = 45m²

PACKAGING

ARDEX AF 200 is packed in plastic tubs - either 15 litres or 5 litres net volume.

STORAGE AND SHELF LIFE

ARDEX AF 200 has a shelf life of not less than 12 months if stored in good conditions between 5°C and 30°C in the original unopened containers.

PRECAUTIONS

ARDEX AF 200 is non-hazardous in normal usage, however good hygiene practices should be followed. Avoid contact with skin, wash off with soap and water before drying takes place. In case of contact with eyes rinse carefully and thoroughly with water and seek medical advice. In case of ingestion seek medical assistance. Consult the relevant health and safety data sheets for full information.

TECHNICAL DATA

Open/working time	Up to 1 hour depending on room temperature/humidity and absorbency of the sub-floor
Colour	Cream
Consistency	Viscous liquid
Flashpoint	Not applicable
Cleaning Agent	Before drying – water
Suitable for underfloor heating	Yes

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.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

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