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PRODUCT DATA SHEET

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



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ARDEX AF 200

Schlüter® DITRA Matting Bonding Adhesive

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. ARDEX AF 200 is also suitable for use over normal underfloor heating systems.

ARDEX AF 200 is ideal for the installation of Schlüter® Ditra Matting over timber flooring. It is also suitable for adhering textile floorcoverings including fibre bonded, needle punch, latex and rubber foam backed, hessian, felt and resin backed carpets and some PVC-based tiles and sheet. Consult the ARDEX UK Flooring Adhesives Product Selector for detailed information. ARDEX AF 200 is designed for use on hard, clean, dry, sound and smooth sub-floors such as concrete, sand/ cement screeds, latex and water-based levelling and smoothing compounds, terrazzo, plywood, hardboard and flooring grade chipboard.

Some dense impervious surfaces such as metal access panels may require the application of a smoothing compound or oversheeting with plywood as appropriate to act as an absorbent layer, particularly if adhering impervious backed floorcoverings.

SURFACE PREPARATION

The sub-floor must have an effective DPM and must be dry, with an equilibrium relative humidity of 75% or below and be hard, clean, free of barrier materials, sound and smooth in accordance with the relevant clauses of BS 8203, BS 5325 and BS 8204.

NOTE: Any free dust on the surface should be removed, preferably using suitable vacuum equipment, prior to applying ARDEX AF 200 as dust can affect both the yield and performance of floorcovering adhesives. Where an effective DPM is absent, or the relative humidity of the concrete or sand/cement screed is above 75% RH, consult the ARDEX DPM/ARDEX DPM 1 C product data sheet for advice.

Any repairs, levelling or smoothing should be carried out using the relevant surface preparation product and allowed to dry prior to application of the adhesive. For detailed information on the appropriate repair/sub-floor smoothing and levelling compound, consult the SYSTEMARDEX Commercial Flooring Brochure. The use of the appropriate ARDEX Rapidry Formula products, such as ARDEX A55 and ARDEX A35 cement, can allow even full depth screed repairs to be overcoated within hours.

Fabricated underlays should be laid where required over existing timber bases. Wood-based fabricated underlays should comply with BS 8203: Section 3 and be at the equilibrium moisture content they will have in service at the time they are covered.

NOTE: Hardboard should be suitably conditioned prior to installation in accordance with BS 8203 and BS 5325. Joints, nail holes, small gouges, etc., in plywood and chipboard may be pre-smoothed and levelled prior to the application of ARDEX AF 200 using ARDEX FEATHER FINISH in accordance with the product literature.

DIRECTIONS FOR USE

Installations should be carried out at the appropriate temperatures as specified by the floorcovering manufacturer and the relevant clauses of BS 8203 and BS 5325. These temperatures need to be maintained before/during and after the installation of the floorcovering.

ARDEX AF 200 should be applied evenly to the suitably prepared substrate using the appropriate serrated trowel or serrated spatula, avoiding forming concentrations or puddles of adhesive. Do not apply the adhesive over a larger floor area than can be covered by the floorcovering within the working time of the adhesive. The floorcovering may then be applied directly into the wet adhesive. Alternatively, the adhesive can be allowed to develop surface tack prior to applying smooth or impervious backed floorings, ensuring that good transfer is achieved. The flash-off (surface tack) time is typically 20 to 40 minutes depending upon temperature, humidity, porosity of the substrate and the size of notch trowel used.

Roll the flooring using a 68kg flooring roller, or use a smoothing tool as appropriate, from end to end and from side to side, to ensure full overall contact with the adhesive.

NOTE: Certain floorcoverings may benefit from further rolling/smoothing.

NOTE: Underfloor heating systems should be switched off at least 48 hours before installation and for 48 hours after completion. Do not subject the floor to loads, loaded trolleys, etc., or move fixtures, furniture, etc., onto the flooring until the adhesive has fully set, typically 48 hours at 20°C.

Do not allow the floor to be wet cleaned for at least 3 weeks after the floorcovering has been installed.

TROWEL NOTCH SIZES

For general textile floorings, including profiled or rough backed, onto an absorbent sub-floor, a 2 x 6mm notched trowel should be used. For impervious backed and PVC floorings and/or when applying onto smooth and dense sub-floors, a smaller notch trowel such as a 1.5 x 5mm may be more appropriate. If uniform adhesive transfer is not achieved the trowel notch size will need to be increased.

COVERAGE

Notch size (mm)	m ² /litre	m ² /15 litre unit
2 x 6	3 approx.	45 approx.
1.5 x 5	4 approx.	60 approx.

NOTE: The actual coverage achieved in practice is affected by application technique as well as the texture and absorbency of the sub-floor.

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. Lay the Schlüter® DITRA into the wet/tacky ARDEX AF 200 and press firmly into place abutting all edges.

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.

TECHNICAL ADVICE HELPLINE
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