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BUILDING DIVISION  
PRODUCT DATA SHEET

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# ARDEX AF 150

## Adhesive for PVC Sheet and Tiles

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### Features

Good initial tack

Extended tack time

Economical

Water-based, solvent free formulation

Very low odour

Easy to apply

Can be used on vertical surfaces

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# ARDEX AF 150

## Adhesive for PVC Sheet and Tiles

### DESCRIPTION

ARDEX AF 150 is a water-based, low odour, solvent free, acrylic emulsion-based floorcovering adhesive containing a blend of high quality dispersions, mineral fillers and water. ARDEX AF 150 has a long tack time, with very good early and long term adhesive strength and is odourless when dry.

ARDEX AF 150 is also suitable for use over normal underfloor heating systems.

ARDEX AF 150 is designed for adhering PVC/vinyl floorcoverings including sheet and tiles with foam and PVC backings. Consult the ARDEX UK Floorcovering Adhesives Product Selector for detailed information.

ARDEX AF 150 is designed for use on sub-floors such as smoothed and levelled concrete and sand/cement screeds, latex and water-based levelling and smoothing compounds, terrazzo, plywood, hardboard and flooring grade chipboard.

### 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 and BS 8204.

**Note:** Any free dust on the surface should be removed, preferably using suitable vacuum equipment, prior to applying ARDEX AF 150 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 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. The use of the appropriate ARDEX Rapidry Formula products, such as ARDEX A 55 and ARDEX A 35 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.

Joints, nail holes, small gouges, etc., in plywood and chipboard may be pre-smoothed and levelled prior to the application of ARDEX AF 150 using ARDEX FEATHER FINISH in accordance with the product literature.

### DIRECTIONS FOR USE

The laying area and sub-floor should be kept at the appropriate temperatures as specified by the floorcovering manufacturer and the relevant clauses of BS 8203. These temperatures need to be maintained for the specified time periods before/during laying and after the installation of the floorcovering.

ARDEX AF 150 should be applied evenly to the suitably prepared substrate using the appropriate serrated trowel or serrated spatula, avoiding forming concentrations 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 double drop method may be employed in order to save time, as it will reduce the time required for the adhesive to dry. 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 smoothing blade as appropriate, from end to end and from side to side, to ensure full overall contact with the adhesive.

**Note:** Certain floorcoverings may require further rolling/smoothing.

If the flooring seams are to be heat welded it is advisable to allow a minimum of 12 hours for the adhesive to harden prior to commencing welding.

**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 immediately after the floorcovering has been installed. Allow sufficient time for the bond to develop.

### TROWEL NOTCH SIZE/COVERAGE

Notch size (mm)	m <sup>2</sup> /litre	m <sup>2</sup> /15 litre unit
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.

### PACKAGING

ARDEX AF 150 is packed in plastic tubs - either 15 litres or 5 litres net volume.

### STORAGE

ARDEX AF 150 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 150 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 & Safety data sheets for full information.

### TECHNICAL DATA

Open/drying time	Up to 40 minutes depending on room temperature/humidity and absorbency of the sub-floor
Colour	Cream
Consistency	Viscous liquid
Flashpoint	Not applicable
Cleaning Agent	Before drying – water and clean wet cloth

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.

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