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PRODUCT DATA SHEET

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# ARDEX AF 100

## Pressure Sensitive Acrylic Flooring Adhesive

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### Features

Very high yield

Permanent high tack

Economical

Water-based, solvent free formulation

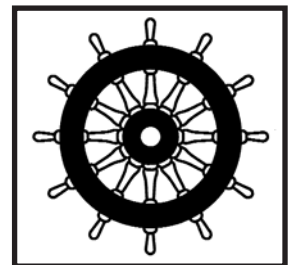
Very low odour

Easy to apply

Apply flooring into wet or dry adhesive

Reduced trowel serration shadowing

Can be used on vertical surfaces



MED Modules B and D approved  
for use in a primary deck covering  
to fix PVC flooring onto steel ships  
decks.



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# ARDEX AF 100

## Pressure Sensitive Acrylic Flooring Adhesive

### DESCRIPTION

ARDEX AF100 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 AF100 has excellent permanent tack and exceptional grab, with very good early and long term adhesive strength. ARDEX AF100 is also suitable for use over normal underfloor heating systems. ARDEX AF100 is designed for adhering PVC sheet and tile floorcoverings. Consult the ARDEX UK Floorcovering Adhesives Product Selector for detailed information.

ARDEX AF100 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, flooring grade chipboard and ARDEX RAPIDLAY MEMBRANE. MED module B and D approved for use in a primary deck covering to fix PVC flooring onto steel ships decks.

### 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 AF100 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. For detailed information on the appropriate repair/sub-floor smoothing and levelling compound, consult the ARDEX Sub-floor Preparation Product Selector. 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.

Joints, nail holes, small gouges, etc., in plywood and chipboard may be pre-smoothed and

levelled prior to the application of ARDEX AF100 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 AF100 should be applied evenly to the suitably prepared substrate using the appropriate serrated trowel or serrated spatula, avoiding forming concentrations of adhesive.

In order to reduce the possibility of adhesive serrations grinning through the floorcovering, the adhesive can be rolled immediately following spreading with the appropriate serrated trowel, using a long handled, suitable roller, pre-wetted with ARDEX AF 100.

ARDEX AF100 should be left to dry to a full tack prior to applying smooth or impervious backed floorings. (Alternatively, the floorcovering may be applied directly into the wet adhesive on absorbent backgrounds). The adhesive may be spread over the total floor area and the floorcovering installed the following day. Caution: Where there is a delay between applying the adhesive and installation of the floorcovering, any contamination, e.g. by other trades, must be prevented from affecting the applied ARDEX AF 100.

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:** Some PVC 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.

**Note:** Heat welding should only commence once the adhesive has dried sufficiently.

Do not allow the floor to be wet cleaned immediately after the floorcovering has been installed. Allow significant time for the adhesive 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	5 approx.	75 approx.

Roller only 6 approx. 90 approx.

**Note:** Do not exceed 7m<sup>2</sup> per litre, max 105m<sup>2</sup>/unit

**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 AF100 is packed in plastic tubs - either 15 litres or 5 litres net volume.

### STORAGE

ARDEX AF100 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 AF100 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

Drying time	Up to 40 minutes depending on temperature and absorbency of the sub-floor
Colour	Milky white, turning to clear when dry
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.

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