



CI/SfB

43

Yt3

---

JULY 2004  
BUILDING DIVISION  
PRODUCT DATA SHEET

---

# ARDEX AF 700

## High Performance Linoleum Sheet and Tile Adhesive

---

### Features

High initial tack

High shear adhesion strength

Economical

Water-based, solvent free formulation

Very low odour

Easy to apply

Improved moisture resistance

---

# ARDEX AF 700

## High Performance Linoleum Sheet and Tile Adhesive

### DESCRIPTION

ARDEX AF 700 is a water-based, low odour, solvent free, synthetic resin/rubber emulsion-based linoleum adhesive containing a blend of high quality dispersions, mineral fillers and water. ARDEX AF 700 is odourless when dry and has excellent wet grab and an exceptionally long tack time, with very good early and long term adhesive strength.

ARDEX AF 700 has been specially formulated to provide excellent long term shear strength to compliment the properties of linoleum sheet and tile floorcoverings. ARDEX AF 700 also has significantly improved moisture resistance compared to traditional lignum paste type adhesives. ARDEX AF 700 is also suitable for use over normal underfloor heating systems. Consult the ARDEX UK Floorcovering Adhesives Product Selector for detailed information. ARDEX AF 700 is designed for sub-floors such as levelled and smoothed 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 700 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 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 700 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. These temperatures need to be maintained for the specified time periods before/during laying and after the installation of the floorcovering.

ARDEX AF 700 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 should then be applied directly into the wet adhesive ensuring that good transfer is achieved.

Roll the flooring using a 68kg flooring roller, from end to end and from side to side, to ensure full overall contact with the adhesive.

**Note:** Some linoleum floorcoverings may benefit from further rollings.

**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 adhesive bond to develop.

### TROWEL NOTCH SIZES

For general linoleum floorings, onto an absorbent sub-floor, a 1.5 x 5mm notched trowel should be used.

### 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 700 is packed in plastic tubs - either 15 litres or 5 litres net volume.

### STORAGE

ARDEX AF 700 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 700 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 time	Up to 20 minutes depending on room temperature/humidity and absorbency of the sub-floor
Colour	Brown
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.

### ARDEX UK LIMITED

Homefield Road, Haverhill, Suffolk CB9 8QP  
United Kingdom.

Telephone: +44 (0)1440 714939

Fax: +44 (0)1440 716660

Technical Services Fax: +44 (0)1440 716640

Email: [technical.services@ardex.co.uk](mailto:technical.services@ardex.co.uk)

ARDEX online: [www.ardex.co.uk](http://www.ardex.co.uk)



Reg No. FM 1207