



CI/SfB

43

Yt3

AUGUST 2008
PRODUCT DATA SHEET

ARDEX AF 3000

Flooring Adhesive

Features

Superb on-site performance

Excellent wet grab

Rapid strength development

Up to 20 minutes open time

Easy application

Suitable for use with underfloor heating

Ideal for adhering textile floorcoverings as well as
Linoleum and certain PVC based products



Reg No. FM 1207

ARDEX UK LIMITED
Homefield Road, Haverhill, Suffolk CB9 8QP UK.
Telephone: +44 (0)1440 714939
Fax: +44 (0)1440 716660
Technical Services Fax: +44 (0)1440 716667
Email: technical.services@ardex.co.uk
ARDEX online: www.ardex.co.uk

ARDEX AF 3000

Flooring Adhesive

DESCRIPTION ARDEX AF 3000 is a high quality synthetic resin/rubber adhesive that has excellent wet grab and rapid strength development. ARDEX AF 3000 is suitable for use over normal underfloor heating systems.

FOR SECURING:- Textile floorcoverings including fibre bonded carpets, needle punch, latex and rubber foam backed, hessian, felt and resin backed carpets. ARDEX AF 3000 may also be used for Linoleum and some PVC-based tiles and sheet. Consult the ARDEX UK Floorcovering Adhesives Product Selector for detailed information.

ONTO:- 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, thermoplastic tiles and quarry tiles.

Some dense impervious surfaces such as metal access panels, asphalt, surface applied DPMs etc. may require the application of a smoothing compound or oversheeting with plywood, as appropriate, to act as an absorbent layer. This is particularly important 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. All 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 3000. Dust can affect both the yield and performance of floorcovering adhesives.

DAMP FLOORS

Where an effective DPM is absent, or the relative humidity of the concrete or sand/cement screed is above 75% Relative Humidity, consult the ARDEX DPM, ARDEX DPM 1C or ARDEX DPM 1CR product data sheet for advice.

LEVELLING AND SMOOTHING

Any repairs 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 ultra rapid drying levelling compound and ARDEX A35 rapid drying cement for floor screeds, can allow even full depth screed repairs to be overlaid within hours.

Fabricated underlays should be installed 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.

Floorboards can be levelled with ARDEX FA 20 fibre reinforced rapid drying levelling compound. Consult the data sheet for more information.

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 3000 using ARDEX FEATHER FINISH. Consult the data sheet for more information.

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 3000 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 surface tack time is typically 10 to 20 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

When installing 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.
3 x 6	2 approx.	30 approx.

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

With deeply profiled or rough backed floor covering, it may be necessary to apply extra adhesive to ensure good contact. In such cases use a 3mm x 6mm 'V' notched trowel, this will reduce the coverage quoted. Some unitary backed carpets also require the large notched trowel.

PRECAUTIONS

ARDEX AF 3000 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.

NOTE: On absorbent surfaces, lay the floor covering immediately.

TECHNICAL DATA

Open/working time	Up to 20 minutes depending on room temperature/humidity and absorbency of the sub-floor
Colour	Cream/Yellow
Consistency	Viscous liquid
Flashpoint	Not applicable
Cleaning agent	Before drying – water If dry - white spirit
Suitable for underfloor heating	Yes
Storage	Store between 5°C and 30°C
Shelf life	12 months in the original unopened containers, stored under good conditions
Packages	15 litre tub

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.