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# ARDEX AF 2525

## Two Component Heavy Duty Adhesive

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Moisture, weather and water resistant

Suitable for internal and external use

High temperature resistance, for use in areas of direct sunlight e.g. conservatories

Very high bond strength, for use in high load areas

Easy to mix and apply

Very low emissions

Solvent free

Covers up to 20m<sup>2</sup>



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## Two Component Heavy Duty Adhesive

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### DESCRIPTION

ARDEX AF 2525 is a low odour, low emission, solvent free two component polyurethane floor covering adhesive.

ARDEX AF 2525 offers, very high bond strength, excellent application properties and an extended open time. It is protected from biodegradation and has good resistance to plasticiser migration.

### USE

ARDEX AF 2525 is ideal for installing all types of vinyl, rubber, exterior floor coverings such as artificial grass, dense non-absorbent backed floor coverings and some timber floor coverings. ARDEX AF 2525 can be used with all ARDEX ENDURA Cementitious Levelling and Smoothing Compounds in both commercial and domestic internal and external locations, and is suitable for use with chairs fitted with castor wheels.

ARDEX AF 2525 meets the requirement guidelines for the EMICODE licence 'EC1 PLUS R', achieving very low emission limits.

### PRIMING

Priming is not required, however, on highly absorbent surfaces it can be advantageous to prime with P 51 Priming and Bonding Agent diluted 1:3 with cold, clean water. This will maintain the working time and ensure maximum coverage of the adhesive.

Do not use P 51 Priming and Bonding Agent in external areas.

### SUBSTRATE PREPARATION

The subfloor must be hard, clean, free from barrier materials, sound and smooth in accordance with the relevant clauses of BS 8203, BS 8201 and BS 8204.

Any dust should be removed using suitable vacuum equipment, prior to applying ARDEX AF 2525, as it can affect both the coverage and performance of the adhesive.

Uneven subfloors should be levelled with the appropriate ARDEX ENDURA Cementitious Levelling and Smoothing Compound e.g. CL 11 or K 301

### MIXING

Acclimatise the adhesive to the ambient temperature of the installation area, as defined in the relevant code of practice (normally 18°C). Add the entire contents of the hardener, Component B, (the bottle in the upper part of the unit), to the resin component, and mix using a suitable whisk and slow speed drill, for approximately 3 minutes until both

components are thoroughly mixed together. Once mixed use immediately.

### APPLICATION

The installation area and subfloor should be kept at the appropriate temperature as specified by the floor covering manufacturer and the relevant clauses of BS 8203 and BS 8201. These temperatures need to be maintained 48 hours prior to installation, during installation, and 48 hours after installation.

ARDEX AF 2525 should be applied evenly to the suitably prepared substrate using the appropriate serrated trowel, held approximately at a 60 degree angle to the subfloor to maximise coverage and avoid forming pools of adhesive.

Floor coverings can be applied directly into the wet adhesive, ensuring full transfer to the rear of the floor covering, however allowing the adhesive to air will improve early stage grab.

Only apply sufficient adhesive that can be covered within the working time, usually 70 minutes.

Periodically check that the adhesive has transferred to the rear of the floor covering.

Remove any air pockets with a cork board or rubbing tool whilst the adhesive is still wet.

Allow the adhesive sufficient time to generate some tack before rolling with a 68kg roller, however roll the floor covering before the adhesive hardens so that the adhesive serrations will flatten. Roll from side to side first and then end to end. Repeat as necessary to ensure the floor covering is in contact with the adhesive at the curing and hardening phase. Floor coverings that are not in contact with the adhesive at the curing and hardening phase will not be bonded.

Avoid spinning the roller on the floor covering and do not leave the roller on the floor covering during the curing phase, this can cause visible indentations in the adhesive bed.

Rolling will ensure good overall contact and minimise the potential for adhesive serration grin through.

Heat welding should only commence once the adhesive has fully cured. Do not allow the floor to be wet cleaned immediately after the floor covering has been installed.

Allow significant time for the adhesive bond to develop before wet cleaning commences, typically 48 hours at 20°C.

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### UNDERFLOOR HEATING

Underfloor heating systems should be commissioned in accordance with the heating manufacturer's instructions; if comment cannot be found then the guidance given in BS 8203 and BS 8204 should be followed.

Thermal cycling of the subfloor will require raising the temperature of the substrate slowly, usually 10°C a day, to full operating temperature, held for a defined period, and slowly brought back down, usually 10°C a day, so that any shrinkage that is likely to take place occurs before the floor covering is installed.

If moisture tests are required to verify the relative humidity of the substrate, the underfloor heating system should be switched off for 48 hours prior to testing.

If moisture testing is not required, or after the tests are completed, the heating system should be stabilised to room temperature, but not below 15°C, before installing the floor covering.

After installation allow at least 48 hours of constant temperature for the adhesive to properly cure, before slowly increasing the temperature up to the normal operating temperature of the area. Do not subject the floor to static or dynamic loads, loaded trolleys, etc., or move fixtures, furniture, etc., onto the flooring until the adhesive has fully set, typically 48 hours at 20°C.

### HIGH TEMPERATURE

ARDEX AF 2525 is suitable for use over underfloor heating systems and is classified as high temperature resistant. ARDEX AF 2525 is suitable for use in areas of high solar gain such as conservatories and southerly facing aspects. The surface floor temperature must not exceed 50°C for prolonged periods.

Consult the floor covering manufacturer for detailed guidance.

### CLEANING






Remove spills or seepage through joints with a suitable cleaning solution such as solvent. Check that any cleaning chemicals do not damage the floor covering. Do not use thinners/ solvent on rubber flooring. Adhesive wipes may be preferable

Aggressive cleaning agents should only be used with the permission of the floor covering manufacturer.

### PACKAGING

ARDEX AF 2525 is packed in plastic tubs. Net volume 6kg net weight.

### COVERAGE

Flooring Type	Trowel Size	Coverage
Homogenous and Heterogeneous PVC Sheet Floorcoverings Rubber VCT	A2 	Up to 20m <sup>2</sup>
Linoleum and other backings with little structure on the backing	B1 	Up to 13m <sup>2</sup>
Heavily structured backing	B2 	Up to 12m <sup>2</sup>
Wood**	B3 	Up to 7m <sup>2</sup>
Wood**	B10 	Up to 6m <sup>2</sup>

The actual coverage achieved in practice is affected by application technique, as well as the texture and absorbency of the subfloor.

### STORAGE

ARDEX AF 2525 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 container.

### PRECAUTIONS

ARDEX AF 2525 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 further information.

### WORDING AND TERMINOLOGY

#### Airing Time

The time the adhesive must be left open before applying the floor covering. Between 0-5 minutes\*

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### Working Time

The time in which the adhesive can receive the floor covering, after the initial airing time. Up to 70 minutes\*

### Open Time

The combination of airing and working time. Up to 75 minutes\*

\*depending on the absorbency of the subfloor and ambient conditions, (20°C & 65% RH).

\*\*Consult the wood manufacturer for the correct trowel notch size.

The guidance from the flooring manufacturer should always be followed if different from the information contained in this Technical Data Sheet.

**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.

### Distributed by Indian offices

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