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# ARDEX AF 2525

## Two-Component Heavy Duty Adhesive

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Two-part heavy duty floorcovering adhesive

Suitable for installing all types of vinyl, rubber, and exterior floorcoverings

Moisture, weather and water resistant

Suitable for internal and external use

High temperature resistance - for use in areas of direct sunlight

Very high bond strength - for use in high load areas

Very low emissions

Solvent free

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



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### DESCRIPTION

ARDEX AF 2525 is a low odour, low emission, solvent free two component polyurethane floorcovering 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.

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

### USE

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

### PRIMING

Priming is not required, however, on highly absorbent surfaces it can be advantageous to prime with ARDEX PU 30. This will maintain the working time and ensure maximum coverage of the adhesive.

### SUBSTRATE PREPARATION

The subfloor must contain an effective damp proof membrane and be dry, with an equilibrium relative humidity of 75% or below. Where an effective damp proof membrane is absent, or the relative humidity of the subfloor is above 75% RH, consult the ARDEX Moisture Control brochure or contact ARDEX Technical Services for the correct product selection.

The surface being adhered to must be clean, firm and free dust, dirt, oil, grease, curing compounds, release agents and other barrier materials. The surface being adhered to must also be sound and smooth in accordance with the relevant clauses of NZS/AS 1884:2013.

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 levelling and smoothing compounds e.g. ARDITEX NA or ARDEX K 15 Micro.

ARDEX A 46 can be used for repairs to the subfloor/ stairs etc., in accordance with the product data sheet.

Joints, nail holes and imperfections in plywood, or minor surface damage to existing levelling and smoothing compounds i.e. footprints or trowel marks, may be pre-smoothed and levelled prior to the application of ARDEX AF 2525, using ARDEX Feather Finish in accordance with the product data sheet.

Fabricated underlays such as flooring grade plywood, (SP101) should be installed where required over existing timber bases. Wood-based fabricated underlays should be suitable for the floorcovering and be at the equilibrium moisture content they will have in service at the time they are covered. Light organic solvent preservative (LOSP) treated plywood is not a suitable substrate.

### MIXING

Acclimatise the adhesive to the ambient temperature of the installation area, as defined in the relevant code of practice (normally 15°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 floorcovering manufacturer and the relevant clauses of NZS/AS 1884:2013. 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.

Floorcoverings can be applied directly into the wet adhesive, ensuring full transfer to the rear of the floorcovering, 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 floorcovering.

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 roller, however roll the floorcovering 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 floorcovering is in contact with the adhesive at the curing and hardening phase. Floorcoverings that are not in contact with the adhesive at the curing and hardening phase will not be bonded.

Avoid spinning the roller on the floorcovering and do not leave the roller on the floorcovering 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 to show through.

Heat welding should only commence once the adhesive has fully cured. 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 before wet cleaning commences, typically 48 hours at 20°C.

## **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 NZS/AS 1884:2013 should be followed.

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

If possible, 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 possible, or after the tests are completed, the heating system should be stabilised to room temperature, but not below 15°C, before installing the floorcovering.

The floorcovering should be allowed to acclimatise to the substrate temperature before installation with ARDEX AF 2525.

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 at a rate of approximately 2°C per day. 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 northerly facing aspects. The surface floor temperature must not exceed 50°C for prolonged periods.

Consult the floorcovering 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 floorcovering. 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 floorcovering manufacturer.

## **PACKAGING**

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

## **COVERAGE**

See table below.

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 12 months if stored in good conditions, between 5°C and 30°C, in the original unopened container. Do not allow to freeze.

## **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 Safety Data Sheets for further information.

For the latest technical or health and safety information on this product, consult the current product or safety data sheet online at: [www.ardex.co.nz](http://www.ardex.co.nz)

## **WORDING AND TERMINOLOGY -**

### **Airing Time**

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

### Working Time

The time in which the adhesive can receive the floorcovering 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.

\*\* consult the timber manufacturer for the correct trowel notch size






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

**Toll Free Technical Services:**  
**4800 224 070 (Australia)**  
**0800 227 339 (New Zealand)**

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable New Zealand & Australian Standards, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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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	B1 	Up to 13m <sup>2</sup>
Heavy structured backing	B2 	Up to 12m <sup>2</sup>
Timber**	B3 	Up to 7m <sup>2</sup>
Timber**	B10 	Up to 6m <sup>2</sup>