



ARDEX AF 325

Carpet Adhesive

Excellent early grab means that carpet can be installed immediately

20 minute extended working time

Rapid strength development

High temperature resistance, suitable for use over underfloor heating systems

Solvent free

Low odour

Covers up to 35m²

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Fax: 1300 780 102
Email: technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
15 Alfred Street
Onehunga, Auckland 1061
Phone: 0800 227 339
Fax: (03) 384 9779
Email: info@ardexnz.com
www.ardex.co.nz

ARDEX AF 325

Carpet Adhesive

DESCRIPTION

ARDEX AF 325 is a water-based, low odour, solvent free, acrylic, emulsion based floorcovering adhesive. With an extended working time,

ARDEX AF 325 offers excellent application properties with high early grab and a high final bond strength. It is protected from biodegradation and has excellent resistance to plasticiser migration. ARDEX AF 325 meets the requirement guidelines for the EMI CODE license "EC1" achieving very low emission properties.

USE

ARDEX AF 325 is ideal for installing all textile floorcoverings including fibre bonded, needle punch, latex and rubber foam backed, hessian, polypropylene, nylon, "action-bac", felt and resin backed, and can be used with all ARDEX Latex and Water-Based Levelling and Smoothing Compounds in both commercial and domestic locations.

ARDEX AF 325 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 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.

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 subfloor must be hard, clean, free from barrier materials, sound and smooth in accordance with the relevant clauses of

BS 5325 and BS 8204. Any dust should be removed using suitable vacuum equipment, prior to applying ARDEX AF 325, as it can affect both the coverage and performance of the adhesive.

Uneven subfloors should be levelled with the appropriate ARDEX Water-Based Levelling and Smoothing Compound e.g. ARDITEX NA.

ARDEX ARDURAPID A 45 Rapid Drying and Hardening Internal Repair Mortar can be used for repairs to the subfloor/stairs etc. up to 50mm thick, 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

325, 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.

MIXING

ARDEX AF 325 is ready for use, but for optimum performance the adhesive should be thoroughly mixed to ensure the even dispersion of polymers before application.

APPLICATION

The installation area and subfloor should be kept at the appropriate temperature as specified by the floorcovering manufacturer and therelevant clauses of BS 5325.

These temperatures need to be maintained 48 hours prior to installation, during installation, and 48 hours after installation.

ARDEX AF 325 should be applied evenly to the suitably prepared substrate using the appropriate serrated trowel. Hold the trowel at approximately 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 on absorbent backgrounds, immediately, or after an airing time, usually 5 minutes depending on ambient conditions. Allowing the adhesive to air will improve its initial grab.

When using ARDEX AF 325 only apply sufficient adhesive that can be covered within the working time of 20 minutes on an absorbent subfloor.

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, and roll the floorcovering with a 68kg roller.

Some textile floorcoverings may benefit from further rolling/smoothing after approximately 1 hour.

When applying adhesive onto the substrate, ensure that any adhesive which is surplus to requirements, and has been moved across the subfloor, is not placed back into the container. It should be placed into an alternative container for safe, easy disposal. This will avoid possible contamination issues.

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 5325 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 floorcovering 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 floorcovering.

The surface of the substrate can then be repaired/smoothed with the appropriate ARDEX product and allowed to dry. The floorcovering should be allowed to acclimatise to the substrate temperature before installation with ARDEX AF 325.

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 325 is suitable for use over underfloor heating systems and is classified as high temperature resistant. The surface floor temperature must not exceed 30°C. Consult the floorcovering manufacturer for detailed guidance. For areas subjected to prolonged or extreme solar gain, such as southerly facing aspects, consider the use of ARDEX AF 2575 or ARDEX AF 2525 Heavy Duty Adhesives.

CLEANING

Remove spills or seepage through joints with a cloth moistened with water before the adhesive dries.

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

STORAGE

ARDEX AF 325 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 325 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.

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

TECHNICAL DATA

Characteristic	Result
Airing Time	Between. 0-5 minutes
Working Time	Up to 25 minutes
Open Time	25 minutes
Coverage	Up to 35m ²
Shelf life	12 months unopened. Between 5°C and 30°C

PACKAGING

Product name	Size	Code
ARDEX AF 325	14kg bag	32328

Toll Free Technical Services: 1800 224 070 (Australia) 0800 227 339 (New Zealand)

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