



ARDEX AF 825

Surface Tackifier

- Install floorcoverings in as little as 10 minutes, or up to 24 hours after application
- Instant release allows worn or damaged tiles to be removed easily
- Suitable for raised access flooring
- High temperature resistance, suitable for use over underfloor heating systems
- Ideal for use with the double stick method, in conjunction with ARDEX AF 325 Low Emission Carpet Adhesive
- Extremely low odour • Solvent free • Covers up to 125m²



ARDEX System Product

Highly secure bonding properties with ARDEX filling compounds, designed for odour-neutral behaviour and clean indoor air. Member of the Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Construction Products (GEV).

Description

ARDEX AF 825 is a water-based, extremely low odour, solvent free, acrylic, emulsion-based floorcovering tackifier. ARDEX AF 825 is odourless when dry, and has a short airing time and permanent tack. It is protected from biodegradation and has good resistance to plasticiser migration.

ARDEX AF 825 meets the requirement guidelines for the EMICODE licence 'EC1 PLUS', achieving the lowest possible emission limits.

Use

ARDEX AF 825 is designed for securing carpet tiles with bitumen, felt, fleece and PVC/PUR backings. It can also be used as a release adhesive for securing carpet underlays using the "double stick" method of adhering broadloom carpets with ARDEX AF 325 Carpet Adhesive. ARDEX AF 825 can be used with all ARDEX Latex or Water-based Levelling and Smoothing Compounds in both commercial and domestic 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 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 825, as it can affect both the coverage and performance of the adhesive.

Uneven subfloors should be levelled with the appropriate ARDEX Latex or Water-Based Levelling and Smoothing Compound e.g. ARDITEX NA or ARDEX K 39.

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.

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

Application

ARDEX AF 825 has a reduced airing time of approximately 30 minutes on non-absorbent surfaces such as raised metal access panels. On absorbent surfaces this airing time is reduced to approximately 10 minutes. Once dry the adhesive will remain workable for up to 24 hours.



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

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

ARDEX AF 825 should be applied evenly to the suitably prepared substrate using a short to medium pile or foam roller, and allowed to fully dry to a transparent film before placing any floorcoverings or carpet underlays. Placing textiles/underlays in to the wet adhesive will create a permanent bond and removal will not be possible.

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 and/or a smoothing tool if required.

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.

After installation of the floorcovering/carpet underlay, removal and replacement is possible repeatedly, whilst the adhesive is still tacky.

Avoid dust contamination of the adhesive bed when removing floorcoverings. If necessary apply another layer of adhesive and allow to dry before the replacement of any floorcovering.

When ARDEX AF 825 is applied to raised access floors, avoid getting any adhesive between the joints of individual panels. If necessary, seal the joints between raised access panels with masking tape before application of the adhesive

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 5°C a day, to full operating temperature, held for a defined period, and slowly brought back down, usually 5°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 825.

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.

Application - Double Stick Method

To fix the underlay apply ARDEX AF 825 to a clean prepared substrate using a medium pile roller. Highly absorbent subfloors may require priming with ARDEX P 51 diluted 1 part primer to 3 parts water and applied to the sub floor and allowed to dry. Always follow the underlay manufacturers installation instructions. Once secured adhere the carpet using ARDEX AF 325 in accordance with the carpet manufacturers installation instructions, using the appropriate trowel serration, normally a B2.

High Temperature

ARDEX AF 825 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.

Precautions

ARDEX AF 825 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.

Product contains isothiazolones. May produce an allergic reaction.

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.com/tr

Recommended Hand Tools and Material Consumptions

For carpet tiles;
Foam Roller - Material Consumption: 70-90 g/m² (up to 125 m²)
Carpet tiles / Carpet underlays
Short Pile Roller - Material Consumption: 100-120 g/m² (up to 84 m²)

Technical Data According to ARDEX Quality Standards

Raw material basis:	Acrylic, emulsion-based tackifier
Consumption	120 - 150 gr/m ²
Temperature:	not below +15° C
Relative humidity (RH):	not over 75%
Airing time *	30 minutes for absorbent surfaces 60 minutes for non-absorbent surfaces
Working time *	approx. 24 hours
* Lower temperatures and higher RH extend the times and can lead to inclusions of moisture. The indicated times refer to +18° C and 65 % RH.	
Cleaning agent:	before drying: Water
Underfloor heating:	suitable
Castor chairs:	suitable
EMICODE:	EC 1 ^{PLUS} very low emission
Packaging:	Bucket of 10 kg net
Storage	If unopened, can be stored in a cool, frost-free, dry location for up to 12 months. Close opened containers tightly after use.