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PRODUCT DATA SHEET

ARDEX AF 835

High Grab Tackifier

Features

- Can be used as a permanent or release bond adhesive
- Ideal for all underlays, carpets and carpet tiles
- Versatile application: Apply with a trowel and roller
- All in one system for facilitating the double stick method for carpet installations
- Low odour and very low emissions



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EMS 565427

OHS 628374

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ARDEX AF 835

High Grab Tackifier

DESCRIPTION

ARDEX AF 835 is a water-based, extremely low odour, solvent free, acrylic, emulsion-based floorcovering tackifier. ARDEX AF 835 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 835 meets the requirement guidelines for the EMICODE licence 'EC1 PLUS', achieving the lowest possible emission limits.

USE

ARDEX AF 835 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 835 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 835, 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 835 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 835 has an airing time of approximately 35 minutes on non-absorbent surfaces. On absorbent surfaces this airing time is reduced to approximately 20 minutes. Once dry the adhesive will remain workable for up to 24 hours.

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.

TACKIFIER

ARDEX AF 835 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.

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.

APPLICATION - DOUBLE STICK METHOD

To fix the underlay apply ARDEX AF 835 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 835 in accordance with the carpet manufacturers installation instructions, using the appropriate trowel serration, normally a B1.

When ARDEX AF 835 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. 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 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 835.

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.

HIGH TEMPERATURE

ARDEX AF 835 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 PLUS or ARDEX AF 2525 Heavy Duty Adhesives.

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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.

PACKAGING

ARDEX AF 835 is packed in plastic tubs 10kg 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 835 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

PRECAUTIONS

ARDEX AF 835 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.co.uk

WORDING AND TERMINOLOGY

Airing Time

The time the adhesive must be left open before applying the floorcovering.
Between 20-35 minutes*

Working Time

The time in which the adhesive can receive the floorcovering, after initial airing time. Up to 24 hours after application*

Open Time

The combination of airing and working time. Up to 24 hours*

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

The guidance from the floorcovering 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.

Flooring Type	Trowel Size/Roller Type	Coverage
Textile Tiles/LVT/CV	Short Pile/Medium Pile/Foam	Up to 71m ²
Carpet/Carpet Underlay	 B1	Up to 33m ²

TECHNICAL ADVICE HELPLINE
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