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# ARDEX AF 2270

## Universal Conductive Adhesive

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Relatively emission-free

No odour when dry

Solvent-free

Very wide range of applications

For textile and flexible floor coverings

Can be used under textiles, linoleum and rubber flooring without a conductive primer

Very high strength



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# ARDEX AF 2270

## Universal Conductive Adhesive

### DESCRIPTION

Light coloured, acrylic dispersion adhesive with special fibres to achieve a high conductivity. Very low emissions.

### APPLICATIONS

For bonding of various coverings on absorbent substrates

- PVC
- Textiles
- Rubber (up to 3.5 mm)
- Needle punch

Linoleum

### SURFACE PREPARATION

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

Any dust should be removed using suitable vacuum equipment, prior to applying ARDEX AF 2270, 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

#### Antistatic installation:

The antistatic floor coverings are fixed directly onto the prepared substrate.

#### Conductive installation:

If a conductive installation is required, a 1mm thick copper wire is installed at every 30 m<sup>2</sup> and earthed. The earthing has to be carried out by a trained electrician.

#### Textile coverings and Linoleum:

These coverings can be laid directly to the prepared substrate.

#### PVC Coverings:

Rolls with sufficient cross conductivity can be installed directly with ARDEX AF 2270 onto the prepared substrate. For other roll coverings or PVC coverings install a copper mesh before.

NOTE: If heated subfloor constructions are used the installation has to be done on top of a copper mesh.

#### Rubber flooring:

Self-adhesive conductive copper tape has to be adhered in the center of each roll. Leave 25cm between the wall and the copper tape, and connect the tapes every 30 m<sup>2</sup> and earth them.

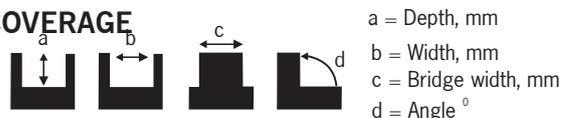
### USE

ARDEX AF 2270 and the covering to be installed should have the same temperature. The coverings have to be installed tension free. The adhesive is applied evenly to a suitably prepared substrate using a notched trowel. Avoid concentrations of adhesive. Apply the textile and linoleum coverings within 5 to 20 minutes into the wet adhesive bed, apply PVC and rubber coverings in the semi wet adhesive bed and press them in firmly. Smooth down again after approximately 30 minutes. Allow 24 hours before sealing the joints in the covering.

NOTE: If high humidity on top of the floor covering is expected, joint sealing has to be done after 24 hours.

NOTE: Observe the laying instructions of the floor covering manufacturer and also the standards and regulations applicable in the trade. If there is any doubt, invest in trials.

### RECOMMENDED NOTCHED TROWEL AND COVERAGE



	a	b	c	d
S 2	3.35	4.2	0.1	60°
P 7	4.7	2.8	0.2	-
P 25	3.8	5.7	0.3	-

Together with the container, a special notch is supplied. For PVC rolls and rubber coverings use the smaller notch.

For textile coverings and linoleum:

S 2 Application: 400-450 g/m<sup>2</sup>

For PVC coverings in rolls and sheets:

P 7 Application: 250-300 g/m<sup>2</sup>

For coverings with highly structured backing:

P 25 Application: 500-550 g/m<sup>2</sup>

Select the notched trowel to ensure sufficient wetting of the backing. Coarsely structured backings or very porous substrates require a corresponding notched trowel.

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## Universal Conductive Adhesive

### TECHNICAL DATA

Raw material base:	Acrylic dispersion
Material requirement:	see trowel recommendation and coverage
Conditions of use:	
Temperature:	not below 15°C
Relative atmospheric humidity (RH):	not above 75%
Flash off time with 18°C and 50% RH:	5-15minutes
Laying time with 18°C and 50% RH:	5-40 minutes
(lower temperatures and higher RH will prolong the times)	
Cleaning agent:	before drying with water
Resistant to chair castors:	yes (in accordance with DIN-EN 12529)
Suitable for floor heating:	yes
Conductivity of the adhesive film (DIN-EN 13415)	$< 3 \times 10^5 \Omega$ (Ohm) resistance
EMICODE:	EC1, relatively emission free
GISCODE:	D1 solvent-free

### SAFETY PRECAUTIONS

ARDEX AF 2270 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 Material Safety Datasheet for further information

### DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user`s consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development.

### PACKAGING

ARDEX AF 2270 is packed in a 12 kg plastic pail.

### STORAGE AND SHELF LIFE

Stored in the original sealed container, in a dry, cool place, the shelf life of ARDEX AF 2270 is 12 months.

### Distributed by Indian offices

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