



ARDEX AF 180

SMP adhesive for elastic floor coverings

- For heavy-duty applications
- Rapid power build-up
- Easy handling
- No mixing - no residual quantities

ARDEX system product: Particularly secure bonding properties with ARDEX levelling compounds, designed for odourless behaviour and clean indoor air.



Area of application

Indoor and outdoor. Floor.

SMP adhesive for bonding:

- homogeneous and heterogeneous LVT flooring in sheets and tiles
- LVT design flooring
- CV coverings
- Rubber coverings in sheets and tiles
- PVC-cork coverings according to ÖNORM EN 655
- Dirt traps with PVC coating
- Artificial turf flooring
- Linoleum coverings
- Needle felt coverings

on suitable, absorbent and non-absorbent substrates in indoor and outdoor areas.

Art

Silan-modified polymer that hardens when it reacts with moisture.

Preparation of the surface

The substrate and the room climate conditions must comply with the requirements of ÖNORM B 5236 Planning and

execution of floor covering and wood flooring work. Subfloors must be level, permanently dry, solid, free of cracks, contamination and substances that inhibit adhesion.

Level uneven substrates using suitable ARDEX levelling compounds. Observe the technical information for the primers and levelling compounds.

Mastic asphalt screeds and other substrates sensitive to plasticisers must be primed with ARDEX PU 30 1-K PU primer and, if necessary, levelled with suitable ARDEX levelling compounds in a layer thickness of at least 3 mm.

Wood chip boards and wooden substrates must be firmly bonded to the substrate and glued in tongue and groove.

Outdoors, the surface can be primed once with ARDEX EP 2000 Multifunctional Epoxy Resin without broadcasting prior to adhesive application. The primed surface must be covered within 24 hours after application.

Processing

Apply adhesive evenly to the substrate using a notched trowel, avoiding pockets of adhesive. Lay the covering within the application time, ensuring that the back of the covering is sufficiently moistened with adhesive.

On non-absorbent substrates, a relative air humidity of at least 50% is required. Apply the adhesive to the substrate with a suitable notched trowel and allow to react for approx. 20 minutes. The covering should only be laid after skin formation has begun. Alternatively, prepare the surface with a suitable ARDEX levelling compound.

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Manufacturer with certified
QM/UM system according to
EN ISO 9001/14001

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When laying sheet material, a flash-off time of approx. 10–20 minutes is recommended to avoid displacement or compression of the adhesive bed.

Roll the coverings again after approx. 1 hour.

Do not walk on the laid surfaces for the first 4 to 6 hours.

Recommended notched trowel and application quantity

For LVT, CV, multi-layer PVC design, rubber coverings



TKB A1

Application: 300 - 350 g/m² *



TKB A2

Application: 370 - 420 g/m² *

Rubber coverings with sanded backing > 3.2 mm thick, ARDEX impact sound insulation and decoupling boards, linoleum coverings, dirt traps with textured backing



TKB B1

Application: 430 - 480 g/m² *

Needle felt coverings, dirt traps with textured backing, artificial turf coverings



TKB B2

Order: 520 - 580 g/m² *

The notched trowel must be selected to ensure that the back of the covering is sufficiently wetted. Rough or uneven substrates and coarse-pored structured backs require correspondingly coarse notched trowels.

*) Application quantity determined with Pajarito notched trowel on ARDEX levelling compounds.

Practical tip

Do not use a dispersion primer under ARDEX AF 180 SMP adhesive for elastic floor coverings.

Clean tools immediately after use with ARDEX CW cleaning cloths or alternatively with oil- or wax-based cleaning agents.

Do not apply at floor temperatures below +15°C and room temperatures below +18°C; room humidity should preferably be between 50% and 65%. In cold weather, allow the adhesive for PVC and rubber floor coverings to reach room temperature in good time.

All information refers to approx. +20°C and 50% relative humidity. Higher relative humidity shortens the times.

When removing partial quantities from the container, replace the aluminium foil or similar on the remaining adhesive.

Finished surfaces can be walked on after 6 hours and used after 24 hours.

In case of doubt, carry out trial bonding.

The laying instructions of the flooring manufacturer and the applicable standards and rules of the trade must be observed.

Remove any skin on the adhesive (e.g. due to improper storage or after opening) and do not stir it in.

Note

The information in our safety data sheets must be observed.

For commercial users only!

Additional information

Handle with care during processing: avoid dust formation and release into the environment.

Dispose of the container and its contents in a solidified state in accordance with applicable local/regional/national/international regulations.

Technical data according to ARDEX quality standard

Material requirements	300 - 580 G/m ² depending on the notched trowel used
Base	Silane-modified polymer
Flash-off time approx.	20 Minutes
Processing temperature	+18 °C
Insertion time approx.	35 Minutes
Setting time	24 - 48 Hours
Relative humidity (RH)	50 % (min.)
Cleaning agents	Before curing, clean with ARDEX CW cleaning cloths or a suitable oil- or wax-based cleaning agent

Product details

Suitable for underfloor heating	Yes
Chair castor suitability	Yes (rolls according to ÖNORM EN 12529)
Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS



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GISCODE	RS10 = Installation materials, containing methoxysilane
Packaging	Bucket with 7.5 kg net weight
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container. Seal opened containers tightly.