



ARDEX AF 485

Shear-resistant parquet adhesive

- Hard parquet adhesive in accordance with ISO 17178
- Easy to apply
- Excellent tread pattern
- Rapid strength development - high final strength
- Minimises the risk of tear-out joints
- Free from softening substances

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



Area of application

Indoor. Floor.

- Hard SMP parquet adhesive for bonding:
- Solid wood floorboards in accordance with ÖNORM EN 13629 and ÖNORM EN 13990
- Solid wood lamparquet according to ÖNORM EN 13227
- High-side lamella parquet according to ÖNORM EN 14761, max. 200 mm long, min. 16 mm thick
- Wide lamella, module block ÖNORM EN 14761,
- Strip parquet, parquet strips according to ÖNORM EN 13226
- Mosaic parquet according to ÖNORM EN 13488
- Multi-layer parquet according to ÖNORM EN 13489
- Cork floor coverings with HDF/MDF core layer and cork backing according to ÖNORM EN 12104
- Cork coverings according to ISO 3813 or ÖNORM EN 12104
- Wood paving RE/WE according to ÖNORM 68702
- ARDEX impact sound insulation and decoupling boards on suitable, absorbent substrates in interior areas.

Type

Silan-modified polymer that hardens through reaction with moisture.

Preparation of the surface

The substrate must comply with ÖNORM B 5236 Planning and execution of floor covering and wood flooring work. In particular, it must be level, permanently dry, solid, load-bearing, free of separating agents and cracks, resistant to tensile and compressive stresses. The product can be laid on standard cement, calcium sulphate, wood-based and gypsum fibre boards. Cement and calcium sulphate screeds must be mechanically pre-treated in accordance with the manufacturer's instructions or the applicable standards and data sheets and vacuumed thoroughly.

For laying large-format parquet types and in the case of larger unevenness, the substrate must be levelled using suitable ARDEX levelling compounds in combination with ARDEX primers.

If a primer coat is required before applying the adhesive, use ARDEX PU 30 1K-PU Primer or ARDEX EP 2000 Multifunctional Epoxy Resin. When using ARDEX EP 2000, ensure that the primed surface is covered within 3 days. When using ARDEX PU 30, the surface can be recoated after approx. 60 minutes. The surface must then be reworked within 24 hours after application of ARDEX PU 30.

Mastic asphalt screeds and other substrates sensitive to plasticisers must be primed with ARDEX PU 30 or coated with suitable ARDEX levelling compounds in a layer thickness of at least 2 mm before direct bonding with ARDEX PU 30. Newly

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laid and well sanded mastic asphalt screeds can be bonded directly.

Processing

ARDEX AF 485 Shear-resistant parquet adhesive must be brought to the correct temperature before use. The adhesive is applied evenly to the substrate using a notched trowel. Do not apply more adhesive than can be laid within the laying time. Lay the parquet elements and tap them down firmly. Ensure that the back of the parquet is evenly and thoroughly wetted with adhesive. Avoid bonding the tongue and groove with the adhesive. Immediately check the laid parquet (especially larger formats) for hollow spots and weigh them down if necessary until the adhesive has set (see also: FCIÖ - Data Sheet "Bonding parquet"). Remove excess adhesive from the substrate immediately using a smooth spatula. Edge joints must be created at rising structural elements that are subject to movement, taking into account the room geometry, wood type and parquet type.

Recommended notched trowel and application quantity Cork coverings:

	TKB A2 400 – 450 g/m ²
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Vertical lamella parquet, mosaic parquet:

	TKB B3 – B6 800 – 1000 g/m ²
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Small-format multi-layer parquet, solid wood lamparquet, wide lamella and modular block, cork coverings on substrate:

	TKB B6 – B8 800 – 1200 g/m ²
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Strip parquet, parquet strips, solid wood floorboards, multi-layer parquet, wood paving RE/WE, impact sound insulation and decoupling panels:

	TKB B10 – TKB B15 1000 – 1500 g/m ²
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The toothed trowel must be selected so that sufficient wetting of the back of the parquet is ensured. Rough or uneven substrates and coarse-pored structured backs require a 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 485. Do not apply at subfloor temperatures below +15°C and room temperatures below +18°C. The relative humidity should preferably be between 40% and 65%, and must not exceed 75%. Clean tools immediately after use with ARDEX CW cleaning cloths or with oil- or wax-based cleaning agents. When removing partial quantities from the container, replace the aluminium foil or similar on the remaining adhesive. When sealing, open joints must not contain any adhesive. Finished parquet floors can be walked on after just 6 hours and used after 24 hours. The surface treatment of raw parquet can be carried out on absorbent substrates after 12 hours and on dense substrates after 24 hours. Edge joints must be formed at rising components, taking into account the room geometry, wood type and parquet type. Mastic asphalt screeds must have a sufficiently wide edge joint depending on the type of parquet to be laid.

For permanent adhesion, the parquet must be installed with a wood moisture content that approximately corresponds to the average of the intended indoor climate (installation conditions = usage conditions), i.e. solid parquet slightly moister. Multi-layer and pre-finished parquet flooring and parquet flooring on underfloor heating slightly drier. In Austria and Germany, for example, 9% for solid parquet flooring and 8% for multi-layer and pre-finished parquet flooring have proven to be suitable for domestic woods. During testing, these values should be determined as the average of a sample of approx. 10 measurements; individual values may deviate by +/-2% from the average value. The laying instructions of the parquet manufacturer and the currently valid standards and rules of the trade must be observed.

In case of doubt, carry out test bonding.

Note

The information in our safety data sheets must be observed. For commercial use 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	400 - 1500 G/m ² depending on the notched trowel used
Base	Silane-modified polymer
Processing temperature	+18°C
Insertion time approx.	40 Minutes
Setting time	12 - 24 Hours
Relative humidity (RH)	75



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Cleaning agents	Before curing, clean with ARDEX CW cleaning cloths or a suitable oil- or wax-based cleaning agent
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Product details

Suitable for underfloor heating	Yes
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Labelling according to GHS/CLP	See relevant safety data sheet
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Labelling according to ADR	See relevant safety data sheet
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EMICODE	EC 1 PLUS = very low emissions PLUS
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GISCODE	RS10 = Installation materials, containing methoxysilane
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Packaging	Bucket with 18 kg net
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Storage	Can be stored in dry rooms for approx. 18 months in the original sealed container. Opened containers should be sealed tightly and the contents used up quickly.
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