



ARDEX AF 480

Firm elastic parquet adhesive

- Hard-elastic parquet adhesive according to ISO 17178
- Easy to apply
- Excellent tread pattern
- Rapid strength development - high final strength
- Minimises the risk of tear-out joints
- Combines the advantages of shear-resistant and elastic adhesives

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-elastic SMP adhesive for bonding:

- Mosaic parquet in accordance with ÖNORM EN 13488
- Upright lamella parquet according to ÖNORM EN 14761, max. 200 mm long, min. 16 mm thick
- Strip parquet
- Parquet strips according to ÖNORM EN 13226
- Solid wood lamparquet in accordance with ÖNORM EN 13227, thickness/width ratio of max. 1:5
- Wide lamella, modular block ÖNORM EN 14761
- Solid wood planks in accordance with ÖNORM EN 13629 and ÖNORM EN 13990, max. 18 cm wide, thickness/side ratio 1:8
- Multi-layer parquet according to ÖNORM EN 13489
- Cork floor coverings with HDF/MDF core layer and cork backing in accordance with ÖNORM EN 12104
- ARDEX impact sound insulation and decoupling boards on suitable, absorbent substrates in interior areas.

Art

Silan-modified polymer that hardens when it reacts 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, and resistant to tension and pressure.

The flooring can be laid on standard cement screeds, calcium sulphate screeds, wood-based panels, and gypsum fibre boards. Please note that the wood-based or gypsum fibre boards used must be suitable for the respective type of parquet. Cement and calcium sulphate screeds must be mechanically pre-treated in accordance with the manufacturer's instructions or in accordance with the applicable standards and data sheets and vacuumed thoroughly.

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 reworked after approx. 60 minutes. Reworking must then take place within 24 hours of applying ARDEX PU 30.

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

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

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

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

Processing

ARDEX AF 480 Hard-elastic parquet adhesive must be brought to room 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 open time. Avoid pockets of adhesive. Lay the parquet elements and tap them firmly into place. Ensure that the back of the parquet is evenly and well covered with adhesive. Avoid bonding the tongue and groove with the adhesive.

Immediately check the laid parquet (especially larger formats) for hollow spots and, if necessary, weigh it down until the adhesive has set (see also: FCIÖ Data Sheet "Bonding of parquet"). Immediately remove excess adhesive from the substrate with a smooth spatula.

Edge joints must be formed at vertical components, taking into account the room geometry, wood type and parquet type.

Recommended notched trowel and application quantity

Vertical strip parquet, mosaic parquet



TKB B3

Application: 800 - 1,000 g/m² *

Impact sound insulation and decoupling panels



TKB B3 - B10

Order: 800 - 1,000 g/m² *

Strip parquet, parquet strips, small-format multi-layer parquet, solid wood lamparquet, wide lamella and modular blocks, cork coverings on substrates



TKB B6 - B10

Application: 800 - 1,000 g/m² *

Large-format strip and multi-layer parquet, solid wood floorboards



TKB B10 - B15

Application: 1,000 - 1,500 g/m² *

The notched trowel must be selected to ensure sufficient wetting of the back of the parquet. Rough or uneven substrates and coarse-pored structured backs require appropriate 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 480.

Do not apply at floor temperatures below +15 °C or room temperatures below +18 °C. The relative humidity should preferably be between 40% and 65%, but not exceed 75%.

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

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

Open joints must be free of adhesive before sealing (risk of plasticiser migration)

For permanent bonding, the parquet flooring must be installed with a wood moisture content that corresponds approximately to the average of the planned usage climate (installation conditions = usage conditions), i.e. solid parquet slightly more moist, multi-layer and pre-finished parquet and parquet on underfloor heating slightly drier.

In Austria, for example, 9% for solid parquet and 8% for multi-layer and pre-finished parquet 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.

Pre-finished parquet floors can be walked on after just 6 hours and used after 24 hours.

The surface treatment of raw parquet should be carried out at the earliest 24 hours after installation. On poorly absorbent or non-absorbent substrates, the surface treatment can only be carried out 48 hours after installation.

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 gluing.

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	800 - 1500 G/m ² depending on the notched trowel used
Base	Silane-modified polymer
Processing temperature	+18 °C
Insertion time approx.	20 Minutes
Setting time	24 Hours

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Relative humidity (RH)	75 % (max.)
Surface treatment	At the earliest after 24 hours
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
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
GISCODE	RS10 = Installation materials, containing methoxysilane
Packaging	Bucket with 18 kg net
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.