



ARDEX AF 460

Prefabricated parquet adhesive

- Elastic parquet adhesive in accordance with ISO 17178
- Easy to apply
- Good tread depth
- Rapid strength development
- Water and solvent free

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



Area of application

Indoor. Floor.

Elastic SMP adhesive for bonding:

- Multi-layer parquet with surface treatment in accordance with ÖNORM EN 13489
- 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 laying 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, calcium sulphate, wood-based, gypsum fibre boards and chipboards P4 - P7 as well as OSB boards OSB3 - OSB4. 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.

Filling work should be carried out using suitable ARDEX levelling compounds in combination with ARDEX primers. If a primer coat is required before applying the adhesive, use ARDEX PU 30 1-K 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.

Mastic asphalt screeds and other substrates sensitive to plasticisers must be primed with ARDEX PU 30 and, if necessary, levelled with suitable ARDEX levelling compounds in a layer thickness of at least 2 mm.

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

Processing

Allow ARDEX AF 460 Ready-to-Use Parquet Adhesive to reach room temperature before use. Apply the adhesive 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 elements is evenly and fully covered with adhesive. Avoid bonding the tongue and groove with the adhesive.

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

15.06.2026

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Immediately check the laid parquet (especially larger formats) for hollow areas and, if necessary, apply weight 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 rising building components, taking into account the room geometry, wood species, and parquet type..

Recommended notched trowel and application quantity

ARDEX impact sound insulation and decoupling boards



TKB B3 - B10

Application: 800 - 1,000 g/m² *

Multi-layer parquet



TKB B6 - B8

Application: 900 - 1,000 g/m² *

TKB B10 - B15

Application: 1,000 - 1,500 g/m² *

The notched 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 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 460.
- Do not apply at floor temperatures below +15°C and 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 on the remaining adhesive.

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

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

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	800 - 1500 G/m ² depending on the notched trowel used
Base	Silane-modified polymer
Processing temperature	+18 °C
Insertion time approx.	30 Minutes
Setting time	24 Hours
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



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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.
