



ARDEX AF 495

Two component PU adhesive

- Hard parquet adhesive in accordance with ISO 17178
- Universally applicable for parquet floors and floor coverings made of Rubber and PVC
- Very high strength, for areas subject to extreme stress (industry, sports facilities, heavy loads)
- High heat retention for areas subject to high stress, e.g. behind window fronts
- Moisture and weather resistant, for use in damp rooms and outdoors



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.

Reactive two-component adhesive for heavy-duty bonding of:

- Upright lamella parquet according to ÖNORM EN 14761, max. 200 mm long, min. 16 mm thick
- Wide lamella, wood block according to ÖNORM EN 14761
- Strip parquet, belt parquet according to ÖNORM EN 13226
- Multi-layer parquet according to ÖNORM EN 13489
- Mosaic parquet according to ÖNORM EN 13488
- Solid wood lamella parquet according to ÖNORM EN 13227
- Rubber flooring in plates
- PVC design flooring
- PVC and PVC composite coverings in sheets
- Linoleum floor coverings
- Laminate flooring
- Artificial turf, rubber granulate, sports facilities and

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other suitable indoor and outdoor flooring on absorbent and dense substrates suitable for installation.

Art

Two-component polyurethane with additives, water- and solvent-free.

Preparation of the surface

The substrate must comply with ÖNORM B 5236 Planning and execution of floor covering and wooden flooring work. In particular, it must be level, permanently dry, solid, load-bearing, free of release agents and cracks, and resistant to tension and pressure, or it must be prepared accordingly. Filling work is carried out using suitable ARDEX levelling compounds in combination with ARDEX primers.

If a primer coat is required before applying the adhesive, ARDEX PU 30 1-K PU primer or ARDEX EP 2000 Multifunctional Epoxy Resin must be used. When using ARDEX EP 2000, care must be taken to ensure that the primed surface is covered within 3 days.

In areas subject to heavy wear or under parquet flooring, we particularly recommend the use of ARDEX K 15 Smoothing and surfacing compound or, for thicker layers, ARDEX K 80 Thin screed.

For outdoor use, use ARDEX K 301 External levelling compound or ARDEX A 46 Solid external levelling

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

04.08.2026

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compound. For outdoor use, the surface can be primed once with ARDEX EP 2000 without sanding before applying the adhesive. The primed surface must be covered within 24 hours of application.

Processing

ARDEX AF 495 Two component PU adhesive must be brought to the correct temperature before use. Add the hardener component B (bottle contents in the cap unit) completely to the resin component A and mix well with a suitable mixing device (e.g. drill with appropriate mixer) for approx. 3 minutes at 300–600 rev/min until a homogeneous mixture is obtained.

Apply the adhesive evenly to the substrate using a notched trowel. Do not apply more adhesive than can be covered during the laying time.

Lay the parquet elements and tap them down well. Immediately check the laid parquet, especially larger formats, for hollow areas and weigh them down if necessary until the adhesive has set (see also: FCIÖ - Data Sheet "Bonding of parquet"). Edge joints must be formed in relation to the room geometry, wood type and parquet type for components that are subject to movement. Immediately remove any adhesive that has oozed out of the joints. Avoid tongue and groove bonding with the adhesive when using under parquet flooring.

Lay elastic floor coverings into the adhesive bed without air pockets. The coverings to be bonded must be relaxed and lie flat, otherwise weight down. Avoid joint bucklings. Press freshly laid surfaces carefully with a cork board and then roll them with a roller.

Ensure that the rear side is evenly and well wetted. Immediately remove excess adhesive from the substrate with a smooth spatula.

Rub or roll the floor coverings again after approx. 2 hours. Avoid pockets of adhesive.

Recommended notched trowel and application quantity For PVC and quartz vinyl panels:



TKB A1 - A2

Application: approx. 320 - 450 g/m² *

For linoleum, rubber and other coverings with a slightly textured backing:



TKB B1

Application: approx. 500 g/m² *

For coverings with a more structured backing:



TKB B2

Application: approx. 600 g/m² *

For mosaic, upright lamella and small-format multi-layer parquet:



TKB B3 - B10

Application: approx. 800 - 1,100 g/m² *

For 10 mm solid wood, strip parquet, belt parquet and laminate flooring:



TKB B10

Application: approx. 1,000 - 1,200 g/m² *

Select a notched trowel that will ensure sufficient coverage of the back of the covering. Coarsely textured covering backs or coarse-pored substrate surfaces require a corresponding notched trowel.

*) Application quantities determined with Pajarito notched trowels on ARDEX levelling compounds.

Practical tip

- Clean tools immediately after use with ARDEX CW cleaning cloths, acetone, spirit, oil or wax-based cleaning agents.
- Do not walk on the installed surface for the first 4 to 6 hours.
- 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%.
- Please enquire about suitability for wood with a high fat or oil content.
- Parquet joints that are open at the top (visible) should not contain any adhesive, as this can darken considerably.

If in doubt, carry out test bonding.

The surface treatment of raw parquet can be carried out after just 24 hours.

For permanent bonding, the parquet 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 slightly more humid, 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 value.

Note

The information in our safety data sheets must be observed.

For commercial use only!

Important: Since 24 August 2023, appropriate training must be provided prior to industrial or commercial use. Further information can be found at www.ardex.at/en/ardex-diisocyanates/

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Additional information

Take care when handling: avoid the formation of dust and its release into the environment.

Dispose of the container and its contents, once they have set, in accordance with the applicable local, regional, national and international regulations.

Technical data according to ARDEX quality standard

Mixing ratio	Specified by the container
Material requirements	320 - 1200 G/m ² depending on the notched trowel used
Base	Polyurethane, two-component
Pot life	35 - 40 Minutes
Processing temperature	+15 °C
Insertion time approx.	50 Minutes
Relative humidity (RH)	75 % (max.)
Cleaning agents	Before curing, clean with ARDEX CW cleaning cloths or a suitable oil- or wax-based cleaning agent

Product details

Contain diisocyanates	Yes
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
GISCODE	RU1 = solvent-free polyurethane installation materials
Packaging	2-component plastic bucket with 6 kg net weight
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container. Opened containers should be sealed tightly and the contents used up quickly.