



ARDEX AF 495

Two Component PU Adhesive

- Universally usable for parquet floors and floor coverings of rubber and PVC
- Very high adhesive strength, for most heavily stressed areas (Industry, sports facilities, heavy duty)
- High thermal stability for highly stressed areas e.g. behind window fronts
- Moisture and weather-resistant, for use in damp rooms and outdoor applications



ARDEX SYSTEM PRODUCT

Highly secure bonding properties with ARDEX filling compounds, designed for odour-neutral behaviour and clean indoor air.

Member of the Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Construction Products (GEV).

SCOPE OF APPLICATION

Internal and external. Floor.

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

- on-edge lamella parquet according to TS EN 14761, max. 200 mm length, at least 16 mm thickness
- wide lamella, wood block according to TS EN 14761, strip parquet, belt parquet according to TS EN 13226
- multi-layer parquet according to TS EN 13489
- solid wood planks according to TS EN 13629 and TS EN 13990, max. 18 cm width, thickness/ aspect ratio 1:8
- mosaic parquet according to TS EN 13488
- solid wood lamella parquet according to TS EN 13227
- rubber floor coverings in plates
- PVC design floor coverings
- PVC and PVC composite floor coverings in plates
- linoleum floor coverings
- laminate floorings
- artificial turf, rubber granulate, sports facilities and other suitable indoor and outdoor floor coverings on absorbent and dense substrates suitable for laying.

TYPE

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

SUBSTRATE AND PREPARATION

The substrate must be permanently dry, solid, load-bearing, free from separating agents and crack-free as well as have adequate tensile and compressive strength or it must be prepared accordingly.

Trowel work is to be carried out with the appropriate ARDEX filling compounds in conjunction with ARDEX primers.

In highly stressed areas or for parquet we particularly recommend the use of ARDEX K15 Rapid-Drying, Self-Levelling Smoothing Compound or for thicker layers ARDEX K80 Rapid Drying Industrial Topping/Wearing Surface.

In exterior areas use ARDEX K301 Exterior Levelling & Smoothing Compound or ARDEX A46 Rapid Setting and Hardening External Repair Mortar.

WORKING

Prior to the processing keep ARDEX AF 495 at the correct temperature. The entire quantity of the hardener component B (bottle content in the cover unit) is added to the resin component A and mixed well (e.g. drill with suitable mixer attachment) for approx. 3 minutes at 300 – 600 rev/min, until a homogeneous mixed colour is formed.



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The adhesive is applied evenly with a notched trowel on the substrate. Do not apply more adhesive than can be laid in the laying time.

Lay parquet elements and knock down well. Inspect the inlaid parquet (especially larger sizes) immediately for cavities and, if necessary, weight down until the adhesive is fully cured (see also: TKB publication „Installation of parquet“). Edge joints have to be formed on structural fixtures in terms of space geometry, type of wood and parquet type. Immediately remove excess adhesive from the joints. When applying under parquet, a tongue and groove-bonding by the adhesive is to be avoided.

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

Ensure uniform, good wetting of the backing. Immediately remove excess adhesive from the substrate with a smooth trowel. After approx. 2 hours, repeat rubbing or rolling of floor coverings.

RECOMMENDED NOTCHED TROWEL AND CONSUMPTIONS

For PVC and quartz vinyl plates:



TKB A1 - Consumption
320 gr/m²*

For linoleum, rubber and other floor coverings with little structured backing:



TKB A2 - Consumption
400 gr/m²*

For floor coverings with more structured backing:



TKB A1 - Consumption
600 gr/m²*

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



TKB A2 - Consumption
850 gr/m²*

For 10 mm - solid, strip parquet and belt parquet:



TKB A1 - Consumption
1000 gr/m²*

For large-format multi-layer parquet, solid wood planks and laminate floorings:



TKB A2 - Consumption
1000 - 1500 gr/m²*

The notched trowel is to be chosen such that a sufficient wetting of the backing of the floor covering is ensured. Coarse textured backings of the floor covering or open-grained substrate surfaces require an appropriate notched trowel.

*) Application quantities determined with Pajarito toothed strips on ARDEX filling compounds.

TO BE OBSERVED

- Clean tools immediately after use with acetone, alcohol, care products containing oil or wax.
- The freshly laid areas are not to be walked on within the first 4 to 6 hours.
- Carry out bonding of parquet only at a relative humidity <75 % and room temperature >+18° C.
- For greasy or oily timbers, ask about suitability. In cases of doubt, bond-tests must be carried out.
- Parquet joints that are open to the top (visible) should not contain any adhesive, as it may darken strongly.

Surface treatment of raw parquet can be carried out already after 24 hours.

NOTE

The flooring instructions of the parquet manufacturers or floor covering manufacturers as well as the standards and rules of the trade are to be observed. In cases of doubt, bond-tests must be carried out.

SAFETY AND DISPOSAL NOTE

Contains isocyanates. Observe the instructions of the manufacturer! Information for allergy sufferers at National Poison Solidarity Center 114 Turkey wide

Component A:

Avoid contact with the eyes, skin or clothing.

Component B:

Causes skin irritation. Can cause allergic skin reactions. Causes severe eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Avoid contact with the eyes, skin or clothing. Wear eye protection, protective gloves.

IF INHALED: Remove person to fresh air and make sure he/she can breathe comfortably.

If skin irritation occurs: Seek medical advice/medical attention. If eye irritation persists: Seek medical advice/medical attention. Remove contaminated clothing and wash before re-wear.

Keep out of reach of children.

Dispose of contents/container in accordance with local/regional/national/international regulations

Instructions on disposal are contained in the safety data sheet.

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TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS

Raw material basis:	Polyurethane, two-component
Material requirements:	approx. 350 – 1.500 g/m ² , depending on notched trowel used
Working Temperature:	not below +15° C
Relative humidity (RH):	not over 75 %
Mixing ratio:	the container prescribes the mixing ratio
Pot life*:	approx. 35 to 40 minutes
Laying time*:	approx. 50 minutes
*Lower temperatures and higher RH extend the times and can lead to inclusions of moisture. The indicated times refer to +18° C and 65 % RH.	
Cleaning agent:	prior to curing with suitable care products containing oil or wax
Underfloor heating suitability:	Yes
Resistance to castors:	Yes (castors according to EN 12529)
EMICODE:	EC1 PLUS – very low emissions
GHS/CLP classification:	Component A: None Component B: GHS07 „Exclamation mark“ GHS08 „Health hazard“ Signal word: Danger Contains isocyanates. Observe the instructions of the manufacturer!
GGVSEB/ADR classification:	Component A: None Component B: None
GISCODE:	RU 1 – solvent free
Packaging:	2-component plastic bucket with 6 kg net
Storage and shelf life:	f unopened, can be stored in a cool, frost-free, dry location for up to 12 months. Close opened containers tightly after use.