



ARDEX AF 460

SMP Technology

Engineered Wood Adhesive

- Elastic SMP adhesive
- Easy to spread
- Good ridge formation
- Early adhesive strength



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)

DESCRIPTION

ARDEX AF 460 is silane-modified polymer based elastic wood adhesive that hardens by reaction with moisture.

It is an elastic SMP adhesive for bonding of

- Engineered wood flooring according to EN 13489
- ARDEX Impact Sound Reduction and Decoupling Plates on suitable absorbent substrates indoors.

SUBSTRATE PREPARATION

The substrates must permanently dry, solid, load-bearing, free from separating agents and crack-free as well as have adequate tensile and compressive strength.

The laying can be done on standard cement, calcium sulphate and wood and gypsum fibre plates. Mechanically pre-treat cement and calcium sulphate screeds according to manufacturer's instructions and in accordance with the applicable standards and data sheets and drain well.

If a primer is required, ARDEX PU 30, 1K-PU primer is to be applied thin-layered. The direct bonding with ARDEX AF460 on primed surfaces can occur earliest after approx. 60 minutes but must occur within 24 hours after the application of the primer.

When laying large-sized parquet types and in case of unevenness, the substrate must be levelled with suitable ARDEX filling compounds. Laying of parquet with ARDEX AF460 on ARDEX K55 Ultra Rapid Drying

Self-Levelling Compound in a layer thickness up to 10 mm can already occur once the filling compound has attained walkability (approx. 60 minutes). Attention must be paid that the parquet backing has a fully saturated wetting.

Mastic asphalt screeds and other plasticiser-sensitive substrates must be primed with ARDEX PU30 and possibly filled with suitable ARDEX filling compounds at a layer thickness of at least 3 mm.

Wood-chip boards must have a firm attachment to the substrate and be glued along tongue and groove.

INSTALLATION

Prior to the processing keep ARDEX AF 460 at the correct temperature. 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 the parquet elements and knock down well. Ensure uniform, good wetting of the parquet backing. A tongue and groove bonding by the adhesive is to be avoided.

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“). Immediately remove excess adhesive from the substrate with a smooth trowel.

Edge joints have to be formed on structural fixtures in terms of space geometry, type of wood and parquet type.



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RECOMMENDED NOTCHED TROWEL AND CONSUMPTIONS

Engineered parquets



B6-B8

TKB B6 - TKB B8
900 - 1000 g/m²



B11-B15

TKB B11 - TKB B15
1050 - 1500 g/m²

The notched trowel is to be chosen such that a sufficient wetting of the backing of the parquet backing is ensured. Rough or uneven substrates and open-grained structured backings require an appropriate coarse notched trowel.

TO BE OBSERVED

- Do not use dispersion primer with ARDEX AF460.
- Carry out bonding of parquet only at a relative humidity < 75 % and room temperature > +18° C.
- Clean tools immediately after use with care products containing oil or wax.
- Put back the aluminium foil or the like on the remaining adhesive after portions have been taken from the container.

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

PRECAUTIONS

The flooring instructions of the parquet manufacturers as well as the standards and rules of the trade are to be observed. In cases of doubt, bondtests must be carried out.

Keep out of reach of children.

DISPOSAL

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

TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS

Raw material basis:	Silane-Modified Polymer
Consumption:	900 - 1500 g/m ² depending on the trowel size, substrate properties and absorptivity
Application temperature:	Above +18°C
Relative humidity:	Below 75%
Airing time:	None
Open time*:	approx. 40 minutes
Drying time*:	approx. after 24 - 48 hours
Surface treatment*:	approx after 24 hours

*All data is approximately based on laboratory test made at a temperature of +20°C and relative humidity of %65. Environmental conditions may change these values. Higher temperatures and lower relative humidity decrease these duration whereas lower temperature and higher relative humidity increases them.

Cleaning:	prior to curing clean with suitable care products containing oil or wax
Suitable for underfloor heating:	Yes
EMICODE:	EC1 ^{PLUS} Very low emission
GISCODE:	RS 10
GHS/CLP:	None
GGVSEB/ADR:	None
Packaging:	18 kg bucket
Storage and Shelf Life:	ARDEX AF 460 has a shelf life of not less than 12 months if stored in good conditions, between 5°C and 30°C, in the original unopened container.