



COE:	Witten
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# ARDEX PREMIUM AF480MS

## Firm Elastic SMP - Adhesive

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With DiBt approval

Parquet adhesive acc. DIN 14293

Combines the advantages of rigid and elastic adhesives

Solvent-free and water-free

Ready to use 1 komponent

No primer needed

Easy to apply

Minimizes the risk of joints

If used together with ARDEX A 55 levelling compound subsequent laying of parquet can be carried out after 1 hour.

### APPLICATIONS:

Silane modified polymer adhesive for the installation of:

- Mosaic parquet
- Strips
- 10 mm solid parquet
- lace parquet
- solid wood floorboards with tongue and groove
- Multilayer parquet on suitable substrates inside
- Smooth cork coverings
- ARDEX Decoupling Systems

In the interior

### ARDEX System Product

Combines with ARDEX filler compounds to create a particularly reliable system

Member of the Gemeinschaft Emissionskontrollierte Verlegewerkstoffe e.V., GEV

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Hersteller  
mit zertifiziertem QM-  
System nach DIN EN  
ISO 9001

ARDEX GMBH

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### APPLICATIONS:

Internal, floor

High shear strength, elastic parquet adhesive for bonding of:

Firm Elastic SPM-Adhesive for the installation of:

On-edge lamella parquet according to DIN EN 14761, 16 mm thick, max. 200 mm in length, Wide lamella, wood-block DIN EN 14761, strip parquet according to DIN EN 13226, multi-layer parquet according to DIN EN 13489,

Solid wood planks according to DIN EN 13226 and DIN EN 13990, 18 cm in width, ration thickness length 1:8,

mosaic parquet according to DIN EN 13488, Solid wood lam parquet flooring according to DIN EN 13227, planar cork flooring according to DIN EN 12104, cork flooring with HDF /MDF intermediate layer and cork stabilising laywer as well as ARDEX Soundinsulation and decoupling mats on all suitable absorbent and non absorbent substrates in the interior.

On suitable substrates inside

### TYPE:

Silane modified polymere which hardens by reaction with humidity.

### PREPARATION OF THE SUBSTRATE:

The substrate must satisfy the requirements of DIN 18 356, "parquet flooring works". In particular, it must be level, permanently dry, firm, load-bearing, free from parting agents and cracks and also have a high tensile and compressive strength and must be prepared accordingly.

If a primer has to be used ARDEX PU30 1K-Pu has to be applied in a thin layer. For the laying of large-format parquet types, as well as if the sub-floor shows major asperities, level and smooth using an appropriate compound.

If applied on ARDEX A 55 not thicker than 10 mm ARDEX AF480MS can be applied after the walkability (60 minutes) is achieved. Make sure to fully wet the back side of the parquet. Mechanically pre-treat and thoroughly vacuum-clean the cement-based and calcium-sulphate-based screeds according to the manufacturer instructions and /or in compliance with the applicable standards and codes of practise. If the screed is dust-free, the parquet can be glued directly onto the screed using ARDEX PREMIUM AF 480. Prepare mastic asphalt

screeds and other softener sensitive substrates properly and smooth using a suitable

ARDEX smoothing compound with a layer thickness of at least 2 mm. Chipboards must firmly be bonded with the substrate and glued to groove and tongue.

Carry out smoothing work using the appropriate ARDEX smoothing compound and ARDEX-primer

Any filling work must be done with suitable ARDEX filling compounds together with ARDEX primers.

### IN THE ARDEX SYSTEM:

In combination with other ARDEX products classified as EC1 under the EMICODE, it creates the ideal conditions for a relatively emission and odour free system. ARDEX PREMIUM AF 480 MS is physiologically and ecologically safe when dry.

### Directions for use:

Sufficiently temperate ARDEX PREMIUM AF 480 MS before use.

Apply the adhesive evenly onto the substrate using a serrated spatula. Apply only as much adhesive as can be covered during the laying time. Lay the parquet elements and tap them to perfectly fit in. Make sure that the parquet back side has fully and evenly been wetted with adhesive. Avoid agglutination of groove and tongue due to the adhesive. Once the parquet has been laid (in particular larger formats), check for hollow spaces immediately and load with weight, if required, until the adhesive has set (refer to: TKB code of practise »Parquet gluing«). Remove from the substrate any excessive adhesive immediately using a smooth spatula. Form margin joints towards components leading upwards in relation to the room geometry, wood type and parquet type.

### Please note:

Do not use apply dispersion primer beneath ARDEX PREMIUM AF480 MS. Make sure to comply with the laying instructions by the floor covering manufacturers well as with the legally binding standards and rules of the industry. Carry out parquet gluing only at a relative humidity in air of <75 % and an ambient temperature of >+18 °C.

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In order to ensure a long-term adhesion strength, parquet should be used having a wood moisture approximately corresponding to mean-value applicable for the climate where the parquet is planned to be used, (laying conditions = conditions of use) i.e. all-wood parquet somewhat moister, multi-layer and ready-made parquet and parquet on substrates with under-floor heating somewhat dryer. According to the experience gathered in Germany with domestic wood types, 9 % for all-wood parquet and 8 % for multi-layer and ready-made parquet have turned out to be very practicable.

When checking these values, they should be identified on the basis of a mean value of random samples consisting of approx. 10 measurements, where the individual value may vary by +/- 2 % relating to the mean value. When using wood types that contain large quantities of fat or oil, check their suitability before using them. In cases of doubt, carry out adhesion tests. Clean the tools immediately after use with oily or waxy cleaning agents. When taking out smaller quantities of the drum, put the aluminum foil back onto the remaining adhesive. Ready-made parquet floors can be walked on after 24 hours. Wait until the respective wood moisture has been reached before carrying out surface preparation of raw parquet in accordance with the ambient moisture. Surface treatment can only be carried out after 48 hours from laying if the substrate has a bad quality or is not absorbent.

**N.B.:** Observe the laying instructions of the parquet manufacturer and also the standards and regulations applicable in the trade.

### RECOMMENDED NOTCHED TROWELS AND QUANTITIES TO BE APPLIED:

Recommended notched trowels:

Cork flooring  
TKB A2 400 - 450 gr/m<sup>2</sup>

o-edge lamella, mosaic parquet  
TKB B 3 800 – 1000 gr/m<sup>2</sup>

Sound insulation and Decoupling Mats  
TKB B3 – TKB B 15 800 – 1500 gr/m<sup>2</sup>

Solid wood lam parquet, strip parquet, multi layer parquet, wood block  
TKB B6 900 – 1000 gr/m<sup>2</sup>

Cork on layer  
TKB B6 900 – 1000 gr/m<sup>2</sup>

Large format solid wood planks and multilayer parquet  
TKB B11 – TKB B15 1000 -1500 gr/m<sup>2</sup>

The notch has to be chosen that a sufficient covering can be achieved. Structured and open pored substrates need large notch sizes..

\*<sup>1</sup>) Quantities determined with Pajarito-notches on ARDEX levellers.

Select the notched trowel to ensure sufficient wetting of the parquet. Rough or uneven porous substrates require a corresponding bigger notched trowel.

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### Technical data

#### According to ARDEX quality standards:

<b>Raw material base::</b>	Silane modified polymer
<b>Material requirement:</b>	Approx. 800 -1500 g/m <sup>2</sup>
<b>Conditions of use:</b>	
<b>Temperature</b>	Not below 18°C
<b>Relative atmospheric humidity (RH):</b>	Not above 75 %
<b>Flash off time:</b>	None
<b>Laying time:</b>	Approximately 40 minutes
<b>cleaning agent:</b>	Before drying oil or wax containing liquids
<b>Suitable for Underfloorheating:</b>	Yes
<b>EMICODE</b>	EC1T+ very low emission
<b>Identification according to GefStoffV, ADR, GGVS, VbF</b>	None
<b>Packaging:</b>	18 kg nett bucket
<b>Storage:</b>	Can be stored in the original sealed cor for approximately 12 months

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We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have not influence on work site conditions and the execution of the work.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations

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