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# ARDEX AF 460 MS

## Elastic SMP Wood Adhesive

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Silane modified parquet adhesive

Consolidation of absorbent substrates

Fast strength development

1-component: ready for use

Solvent free & very low emissions



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## Elastic SMP Wood Adhesive

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### DESCRIPTION

Silane modified and elastic polymer adhesive for interior use on floors. It hardens by reaction with humidity. One-component, ready for use.

### USE

For bonding of:

- On-edge lamella parquet
- Oakstrips
- multi-layer parquet
- ARDEX Soundinsulation and decoupling mats on all suitable absorbent and non absorbent substrates.

### SUBSTRATE PREPARATION

The substrate 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 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.

Mechanically pre-treat and thoroughly vacuum-clean the cement-based and calciumsulphate-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 AF 460. 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.

### APPLICATION

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, check for hollow spaces immediately and load with weight, if required, until the adhesive has set (refer to: TKB code of practice »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 AF 460 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.

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.

Observe the laying instructions of the parquet manufacturer and also the standards and regulations applicable in the trade.

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Recommended and quantities notched to be applied: trowels

O-edge lamella	approx. 800 - 1000 g/m <sup>2</sup>
Sound insulation and Decoupling Mats	approx. 800 - 1500 g/m <sup>2</sup>
Solid wood lam parquet, strip parquet, multi-layer parquet	approx. 900 - 1000 g/m <sup>2</sup>
large format and multilayer parquet	approx. 900 - 1000 g/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.

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

### TECHNICAL DATA

Raw material base	Silane modified polymer
Condition of use:	
Temperature	not below 18°C
RH	not above 75 %
Airing time	none
Working time	approx. 40 minutes
Cleaning agent	Before drying, oil or wax containing liquids
Suitable for underfloor heating	yes
Subsequent surface treatment	after at least 24 hours

### PACKAGING

Pail with net weight of 18 kg.

### STORAGE AND SHELF LIFE

ARDEX AF 460 MS should not be stored in direct contact with sun and protected from freezing.

When stored under the correct conditions and unopened, ARDEX AF 460 MS has a shelf life of 12 months.

### SAFETY PRECAUTIONS

Keep out of reach of children Irritant: Avoid eye and skin contact. Use only in well ventilated areas. Keep container tightly closed. In case of contact with eyes and skin, rinse with plenty of water. In event of irritation, seek for medical advice according to the Material Safety Datasheet

### DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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