

# AF 471

## Parquet floor adhesive

### DESCRIPTION

AF 471 is a high solids acrylic-urethane adhesive used for almost all types of interior wood flooring that are recommended for glue - down installations. AF 471 is extremely moisture resistant and has excellent ultimate bond strength while maintaining the elongation characteristics necessary to allow for some wood movement. This new generation wood adhesive builds strength early and has immediate grab to prevent cupping, peaking and end lifting during installation. Please be aware, however that an adhesive cannot compensate for boards that are curled or warped prior to installation.

### USES

As an adhesive for fixing:

- Solid wood
- Parquet
- Engineered wood plank
- Cork sheet underlayment

**Note:** Use only for flooring structures that are recommended for glue - down installations.

### SUITABLE SUBSTRATES

- Porous: Concrete, cementitious underlayments and radiant heated subfloors where temperatures do not exceed 30°C on all grade levels. Can also be used over properly primed gypsum underlayments (above-grade only).
- Non-porous: Cork sheet underlayments, existing well bonded non-cushioned vinyl, tile and sheet flooring.

### FEATURES

- High solids acrylic - urethane
- Excellent initial grab
- Fast strength development
- High ultimate bond strength & elongation
- Enhanced moisture & alkali resistance
- Anti-microbial product protection

### PHYSICAL PROPERTIES

AF 471	@ 27 ± 1°C
Density	Approx. 1.40 g/cc
Tack time	Approx. 10 minutes
Colour	Yellowish Beige paste
Solid content	87%
Consistency	Paste
Bond strength	>1.5 N/mm <sup>2</sup>
VOC Content	25g/l

### Pack Size

21 kg

### Coverage

	<b>Solid Wood more than 11mm thick (Engineered Wood Plank)</b> V - Notch (6 mm D x 5 mm W x 8 mm A) 16.7 - 20.4 m <sup>2</sup> /pack
	<b>Thin-gauged Solid Wood 11mm thick or less</b> V - Notch (6mm D x 5 mm W x 12.7 mm A) 27.8-31.5m <sup>2</sup> /pack
	<b>Parquet</b> U - Notch (2 mm D x 3 mm W x 3 mm A) 26.0 -29.7 m <sup>2</sup> /pack
	<b>Parquet</b> Sq. - Notch (2 mm D x 2 mm W x 2 mm A) 26.0 -29.7 m <sup>2</sup> /pack
	<b>Cork Sheet Underlayment</b> Sq. - Notch (2 mm D x 2 mm W x 2 mm A) 42.7-46.4 m <sup>2</sup> /pack

### APPLICATION INSTRUCTIONS

#### Surface Preparation

The sub-floor surface must be smooth, hard, clean and free of barrier materials. Mechanically remove dirt, wax, grease, paints, oils, sealers, curing compounds and all foreign matter that would interfere with proper adhesion. Ensure the relative humidity of the concrete or sand/cement screed is < 75% before commencement of work.

**Note:** Any dust on the surface should be removed, preferably using suitable vacuum equipment, prior to applying AF 471 as it can affect both the yield and performance of the adhesive.

Any repair, levelling or smoothing should be carried out using the relevant surface preparation product and allowed to dry prior to application of the adhesive.

#### Application

##### Note:

- Refer to the wood flooring manufacturer's specific recommendations.
- Ensure that the temperature in the installation areas is at a minimum of 18 C for at least 48 hours before, during, and for 48 hours after installation.
- The wood flooring must be protected from excessive moisture. Always run moisture and alkali tests for concrete on any grade level.

AF 471 should be applied evenly to the prepared substrate using a suitable notched trowel. The adhesive should be applied in sweeping motion to avoid forming concentrations of adhesive.

Apply the adhesive over a floor area that can be covered by a floor covering within the working time of the adhesive.

- Thin gauge solid wood (10mm or less) on porous substrates: Allow the adhesive to set open 20 minutes before installing the wood flooring.

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- Other approved wood on porous substrates: Allow the adhesive to set open approximately 10 minutes before installing the wood flooring.
- Non-porous Substrates: Longer open times may be necessary.

Do not allow a heavy film to form on surface of the adhesive. If the adhesive dries or skins over, it must be scraped up, and fresh adhesive needs to be applied. Press the wood flooring down firmly, lifting a piece occasionally to ensure the adhesive is achieving 100% transfer and bonding to the back of the flooring. Following the wood manufacturer's recommendations and industry standards, leave adequate space around the room perimeter of room and stationary objects for normal wood flooring expansion. Roll floor with a heavy roller if recommended by the wood flooring manufacturer. Allow the installation to set over night before exposing to traffic or applying finish.

### CLEANING

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue, carefully following warnings on the container. When using mineral spirits, test a small area before proceeding to make sure it does not damage the surface being cleaned.

### STORAGE AND SHELF LIFE

AF 471 has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened container. The product should be protected from frost, away from direct sunlight and sources of heat.

### PRECAUTIONS

Eye and skin irritant. Avoid eye and skin contact. If eye contact occurs, flush with water for 15 minutes and call physician. Wash skin thoroughly with soap and water. Use only with adequate ventilation. Do not take internally. If swallowed, do not induce vomiting. Call physician immediately. Keep container closed. Keep out of reach of children. Caution: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. During the installation

process, adequate ventilation of the work area should be maintained without causing the entry of contaminants to other parts of the building. Persons who are sensitive to odours and/or chemicals should avoid the work area.

### DISPOSAL/SPILLAGE

Spillage of the product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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