

RL1001

## Hybrid timber flooring adhesive

Specially designed for most types of timber floorcoverings.



RL1001 Hybrid Timber Flooring Adhesive is a single-part, permanently flexible low VOC and isocyanate free timber flooring adhesive.

### RECOMMENDED USES:

RL1001 Hybrid Timber Flooring Adhesive is recommended for bonding approved acoustic underlays to most common subfloors. RL1001 Hybrid Timber Flooring Adhesive is also recommended for bonding approved solid timber flooring,

Parquet flooring and engineered timber flooring to most common subfloors and approved acoustic underlay.

### SURFACE PREPARATION:

Subfloors must be dry, sound, smooth and clean in accordance with the relevant Floorcoverings Australian Standards. Subfloors must be dry, absorbent, solid, sound clean and free of wax, grease, oil, polishes, old adhesive, curing compounds and any other surface contaminants that may affect adhesion. If mechanical preparation is required prepare the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, to provide a roughened, clean, sound, solid and open porous surface. The minimum subfloor temperature before commencing installation should be 10°C

Do not use solvents, or acid etching to clean the subfloor. Where temperatures of less than 10°C or greater than 28°C are encountered, contact our technical staff for advice.

Concrete slabs can be a source of excess moisture, which timber absorbs leading to swelling, expansion, cupping and ultimately damage to timber boards and their surroundings. To prevent moisture migration, apply 2 coats of RLA Moisture seal as per the technical data sheet. Ensure the second coat is applied perpendicular to the direction of application of the first coat. Application in different directions will better achieve a continuous protective barrier across the substrate. Porous surfaces should be sealed with RLA Moisture Seal or RLA PU-95 single part polyurethane sealer and allowed to dry (in accordance with the manufacturer's instructions) prior to using this adhesive. Uneven or damaged floors should be repaired with a suitable cement levelling compound (in accordance with the manufacturer's instructions).

Concrete subfloors must be sufficiently cured. Ensure the relative humidity (RH) is below 75% (tested as per ASTM F2170 insitu probe method). If the RH of the sub-floor is above 75% use RLA Moisture Seal or RLA PU-95 as recommended.

Structural particle board flooring should be sanded with a coarse grit paper. Structural flooring should then be primed using RLA Moisture Seal or RLA PU-95 and allowed to cure (in accordance with the manufacturer's instructions) prior to the application of this adhesive.

If in doubt regarding the suitability of the sub-floor, always contact the manufacturer.

### APPLICATION:

#### DIRECT BONDING TIMBER FLOORCOVERINGS

1. Apply adhesive evenly with a V3-V5 trowel (3-5mm notched trowel - please refer to the timber manufacturer's instructions for specific trowel size) at a rate of approx. 1 – 1.2m<sup>2</sup> per litre.
2. Install the timber into the wet adhesive. Note: Ensure the adhesive does not skin over and dry prior to installing timber flooring.
3. Ensure the timber makes good contact with the adhesive to enable complete transference of adhesive between the subfloor and timber backing. This can be achieved by clamping, weighting or other means of applying downward pressure whilst installing the timber flooring.
4. Once the timber is installed do not allow heavy traffic for 24 hours.
5. Sanding can commence 3 to 7 days after the completion of the entire installation.

**Please note:** Sanding times may vary due to climatic conditions please check with the manufacturer

### APPLICATION CONTINUED:

#### BONDING ACOUSTIC UNDERLAY TO THE SUB-FLOOR

1. Apply the adhesive evenly with a V2 or V3 trowel ( 2-3mm notched trowel dependant on underlay type) at a rate of approx. 1.2-1.5m<sup>2</sup> per litre.
2. Install the underlay into the wet adhesive film.
3. Roll the underlay with a suitable roller to ensure complete transference of adhesive is achieved between the underlay and subfloor.
4. Allow the adhesive to dry for 24 hours prior to installing the floor-covering.

#### BONDING TIMBER FLOORING SYSTEMS TO ACOUSTIC UNDERLAY

1. Apply adhesive evenly with a V3-V5 trowel (3-5mm notched trowel - please refer to the timber manufacturer's instructions for specific trowel size) at a rate of approx. 1 – 1.2m<sup>2</sup> per litre.
2. Install the timber into the wet adhesive. Note: Ensure the adhesive does not skin over and dry prior to installing timber flooring.
3. Ensure the timber makes good contact with the adhesive to enable complete transference of adhesive between the underlay and timber backing. This can be achieved by clamping, weighting or other means of applying downward pressure whilst installing the timber flooring.
4. Once the timber is installed do not allow heavy traffic for 24 hours.
5. Sanding can commence 3 to 7 days after the completion of the entire installation.

**Please note:** Sanding times may vary due to climatic conditions please check with the manufacturer.

**CLEAN UP:**

Clean tools and equipment immediately after use with a suitable solvent such as white spirits or mineral turpentine or RLA Handy Wipes. Cured RL1001 Hybrid Timber Flooring Adhesive must be removed by mechanical means or with RLA Handy Wipes.

**PRECAUTIONS:**

- Do not use adhesive in excessive hot or cold conditions i.e. below 10°C or above 28°C.
- This adhesive will not stand up to hydrostatic pressure or capillary action.
- Ensure your trowel is notched to the manufacturer's recommendations at all times.
- Timber flooring systems must be acclimatised, refer to the timber flooring manufacturers recommendations, prior to the use of this adhesive.
- If in doubt regarding suitability of adhesive, always contact the manufacturer.
- Always follow manufacturer's instructions.
- Compatibility tests must be first carried out. Due to many forms of timber flooring available today, preliminary adhesion testing should be undertaken by the installer to confirm adhesion. RLA Polymers can assist on large projects.
- Do not apply over acrylic or PVA primers/sealers.
- Do not apply over dense burnished concrete subfloors.
- Not recommended to be used in totally confined spaces as requires atmospheric moisture to cure properly.
- Do not expose to water or alcohol based cleaners before full cure.
- Must be fully cured before sanding, allow a minimum of 72 hours.

**STORAGE & HANDLING:**

Storage: For optimum shelf life, store in tightly closed original containers out of direct sunlight.

Shelf Life: 12 months in a sealed container out of direct sunlight

**AVAILABILITY:**

RLA1001 is available Australia wide through the RLA Group distributor network. Please contact RLA Group 1800 242 931 to find out where your nearest stockist will be.

**TECHNICAL SUPPORT:**

RLA Polymers manufactures a comprehensive range of high quality, high performance construction products. In addition, RLA Polymers offers technical support and on-site advice to specifiers, end users and contractors. Please contact your RLA Polymers sales representative or RLA Head Office for this service

**DISCLAIMER**

The information and any recommendations relating to the application and end-use of all RLA products are provided in good faith based on RLA's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by RLA. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.