



## ROBERTS TFA MS Timber Flooring Adhesive



### **DESCRIPTION:**

**ROBERTS TFA** is a Green Tag Certified, single-part, permanently flexible, solvent and isocyanate free MS adhesive designed for fixing timber flooring as well approved acoustic underlays to the most common subfloors

### **FEATURES AND BENEFITS:**

- ✓ Green Tag Certified
- ✓ Building Green Credits
- ✓ Green Star Compliant
- ✓ Solvent & Isocyanate
- ✓ Will not re-emulsify on water contact
- ✓ Easy to trowel and spread

### **RECOMMENDED USE:**

- Bonding approved acoustic underlays to the most common subfloors
- Bonding, solid timber flooring, Parquet flooring, and engineered timber flooring to approved acoustic underlay and direct fixing to most common subfloors

### **SURFACE PREPARATION:**

Subfloors must be prepared in accordance with Australian Standard 1884 for Floorcoverings

All surfaces to be bonded shall be absorbent, dry, smooth, sound, clean, free of wax, grease, paint, previously used adhesive, polish, curing compounds, hydrostatic pressure and any other impurities that may affect adhesion.

If mechanical preparation is required, prepare the floor using recommended techniques such as shot blasting and diamond grinding to provide a roughened, clean, sound, and open porous surface. Thoroughly vacuum loose material and dust

The minimum subfloor temperature before commencing surface preparation and adhesive application is 10°C.

Where temperatures are less than 10°C or greater than 30°C are encountered, contact RLA technical staff for advice

### **CONCRETE SUBSTRATES:**

All concrete subfloors must be tested for moisture content. Relative humidity readings should be determined as per ASTM F2170. The relative humidity (RH) is to be below 85% (tested as per ASTM F2170 insitu probe method).

If the RH of the sub-floor is above 85%, the application of [RLA MOISTURE SEAL](#) is recommended.

Indentations and uneven concrete subfloors should be treated with the [ROBERTS](#) range of levelling compounds. Refer to individual product TDS for further information and application instructions

### **MOISTURE PROTECTION:**

Concrete slabs can be a source of excess moisture. To prevent moisture migration through concrete substrates apply two coats of [RLA MOISTURE SEAL](#). Ensure the timber adhesive is applied over Moisture Seal within 3 days after the application. Please refer to the Product TDS for further information and application instructions.

### **TIMBER SUBSTRATES:**

Timber flooring must be solid, sound, clean and free from wax, oil, free from gaps and securely fixed and in accordance with the Timber Flooring Manufactures Instructions and relevant Australian Standards.

Timber Flooring and Particle Board may be coated with a resin waterproof protective layer. This layer can act as a bond breaker and affect adhesion of applied finishes. It should be removed by sanding the subfloor before applying timber flooring.

For installation of timber flooring onto timber substrates, it is recommended to nail/ secretly fix Timber Flooring in combination with the adhesive application.

Ensure adequate cross-flow ventilation and that the minimum height clearance between earth and the timber flooring is in accordance with the relevant Australian Standards. Failure to have adequate ventilation can result moisture build up under the subfloor and can compromise the installation of underlayment and Floorcoverings.

**APPLICATION:****BONDING ACOUSTIC UNDERLAY TO THE SUB-FLOOR:**

- Apply the adhesive evenly with a 2-3mm V notched trowel (dependent on underlay type) at a rate of approx. 2m<sup>2</sup> per litre. Please refer to the underlay or timber manufacturer's instructions for specific trowel size
- Install the underlay into the wet adhesive film and ensure transfer occurs between the adhesive film and the underlay
- Roll the underlay with a suitable roller to ensure a minimum 100% transfer rate of adhesive film is achieved between the underlay and subfloor
- Allow the adhesive to dry for 24 hours prior to installing the floor-covering

**BONDING TIMBER FLOORING SYSTEMS TO ACOUSTIC UNDERLAY:**

- Apply adhesive evenly with a 3-5mm V notched trowel at a rate of approx. 1 – 1.2m<sup>2</sup> per litre. Please refer to the timber manufacturer's instructions for specific trowel size
- Install the timber flooring into the wet film of adhesive and ensure transfer occurs between the adhesive film and the timber flooring
- A minimum of 100% (Transfer) contact between the underlay and timber flooring is required. Maintain full contact with adhesive until full cure is achieved
- For best results timber flooring should be installed within 30 minutes of the adhesive

**CONCRETE & CEMENTITIOUS SUBSTRATES:**

- Apply adhesive evenly with a 4-5mm V notched trowel at a rate of approx. 1 – 1.2 m<sup>2</sup> per litre. Always refer to the timber manufacturer's instructions for specific trowel size
- Install the timber flooring into the wet film of adhesive and ensure transfer occurs between the adhesive film and the timber flooring
- A minimum of 100% (Transfer) contact between the substrate and timber flooring is required. Maintain full contact with adhesive until full cure is achieved
- For best results timber flooring should be installed within 30 minutes of the adhesive's application

**TIMBER SUBSTRATES:**

- Apply adhesive evenly with a 4-5mm V notched trowel at a rate of approx. 1-1.2 m<sup>2</sup> per litre. Always refer to the timber manufacturer's instructions for specific trowel size
- Install the timber flooring into the wet film of adhesive and ensure transfer occurs between the adhesive film and the timber flooring
- A minimum of 100% (Transfer) contact between the substrate and timber flooring is required. Maintain full contact with adhesive until full cure is achieved
- For best results timber flooring should be installed within 30 minutes of the adhesive's application

**CURE TIME:**

- Roberts TFA Adhesive will typically form a firm skin in two hours and cure in approximately 24 hours
- Do not allow heavy traffic for 24 hours
- Sanding can commence 3 to 7 days after the completion of the entire installation but vary due to climatic conditions - please check with the manufacturer
- Cure times can vary substantially and are dependent on weather conditions such as temperature and humidity
- Hotter and more humid conditions will increase the rate of cure and decrease the skin time, whereas colder climates and lower humidity will decrease cure times and increase skin times

**NOTE:** Figures based on normal ambient temperatures of 23°C and 50% RH.

**CLEAN UP:**

- Clean tools and equipment immediately after use with a suitable solvent such as white spirits or alternatively Citrus based RLA Handy Wipes
- Cured adhesive can be removed by mechanical means or with RLA Handy Wipes

**COVERAGE:**

- 2-3mm V notched trowel notched trowel will achieve a coverage of approximately 2m<sup>2</sup> per litre
- 4-5mm V notched trowel notched trowel will achieve a coverage of approximately 1-1.2m<sup>2</sup> per litre

**PACKAGING:**

- 10 litre/ 15kg containers

### **SHELF LIFE / STORAGE:**

- 12 months when stored in original unopened packaging
- To be stored in a cool dry and weatherproof environment off the ground
- Once opened curing will commence – reseal as soon as possible and discard any partially cured or skinned material

### **PRECAUTIONS:**

- Always ensure the flooring is placed into the wet film of adhesive and apply sufficient pressure to ensure transfer occurs between the adhesive film and the timber flooring
- DO NOT allow the adhesive to skin, and DO NOT place timber flooring onto the skinned glue
- A minimum of 100% (Transfer) contact between the substrate and the back of each piece of timber is required. Maintain complete contact with an adhesive until full cure is achieved after a minimum of 24 hours (mechanical fixing or weighing down is recommended)
- Do not walk on laid matting during the first four hours after installation
- Avoid air entrapment when making the bond or filling joints
- For application details of timber flooring systems, contact the manufacturer
- Care should be taken to prevent any reaction or damage to pre-finished timber coatings
- Do not use adhesive in excessively 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 consistently notched to the manufacturer's recommendations
- Timber flooring systems must be acclimatised; refer to the timber flooring manufacturers' recommendations before using this adhesive
- If in doubt regarding the suitability of the adhesive, always contact the manufacturer
- Do not apply over acrylic or PVA primers/sealers
- Not recommended to be used in totally confined spaces as it requires atmospheric moisture to cure properly
- Do not expose to water or alcohol-based cleaners before the complete cure
- Adhesive must be fully cured before sanding; allow a minimum of 72 hours

- Compatibility tests must be first carried out. Due to the many forms of timber flooring available today, the installer should undertake preliminary adhesion testing to confirm adhesion. RLA Technical can assist with large projects
- Do not apply over dense burnished concrete surfaces without abrading first to obtain a mechanical key for the adhesive to bond

### **HEALTH & SAFETY:**

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

**WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.