

# Accou-Stick

## Timber Flooring Adhesive

### PRODUCT DESCRIPTION

Accou-Stick provides superior acoustic dampening properties in a single application that achieves acoustic dampening without having to apply an additional layer of rubber matting. Step around improvement measure up to 17db depending on type of timber flooring and substrate. Accou-Stick is an elastic one part, non-hazardous, solvent free, MS polymer adhesive. Accou-Stick is a timber floor adhesive suitable for bonding all floor types such as parquetry, solid, engineered on concrete slabs, plywood, particleboard, existing timber flooring and underfloor heating.

### RECOMMENDED USES

- Solid and Engineered timber direct to concrete, plywood, particleboard or existing flooring
- Parquetry flooring direct to concrete, plywood, particleboard
- Suitable for dual bond installation with acoustic rubber matting
- Suitable for underfloor heating applications

### PRODUCT FEATURES

- ✓ Free of isocyanates, solvents, formaldehyde, halogens and silicone
- ✓ Simple cleaning of parquet and tools after application. Non-staining.
- ✓ For the most part no need to use primers or similar products containing solvents
- ✓ Persistent impact noise reduction due to permanent elasticity
  - Step sound improvement measure up to 17dB\* depending on type of timber
  - May eliminate the need for acoustic underlays depending on type of floor, its thickness and the type of timber used
- ✓ Non Slump, easy spread formula
- ✓ Contains no water and will not cause pouring of the wood after installation
- ✓ Very low odour
- ✓ Low VOC emissions being compliant with Green Building Council of Australia Building v1.0 Exposure to Toxins credit
- ✓ Ready to use, no mixing, high green strength
- ✓ Cures without shrinkage

- ✓ Underfloor heating
- ✓ Is very long-lasting. This minimises the need for repair and saves resources

\*17dB – Depending on the type of timber and slab thickness

## **ACOUSTIC TESTING – FIELD IMPACT**

Tested by Renzo Tonin & Associates with regard to:

- National Construction Code (NCC) 2019  
Part F5 of NCC requires floors that separate sole-occupancy units or a sole-occupancy unit from a plant room, lift shaft, stairway, public corridor, public lobby, or the like, to have a weighted standardized impact sound level ( $L'_{nT,w}$ ) less than or equal to 62 when determined in accordance with AS/NZS ISO 717.1.
- Requiring that the field impact sound insulation ( $L'_{nT,w+CI}$ ) of a floor/ceiling system separating units in a Class 2 or 3 building be  $< 62$
- City of Sydney Council's Development Control Plan (DCP) 2012  
Section 4.2.3.11 of the DCP requires floors between dwellings to have a weighted standardized impact sound level ( $L'_{nT,w}$ ) less than or equal to 55 where the floor separates a habitable room and another habitable room, bathroom, toilet, laundry kitchen, plant room, public corridor, hallway and the like.
- Requiring that the Field Impact Insulation Class (FIIC) of a floor/ceiling system separating units in a multi-residential building be  $> 50$
- Strata Schemes Management Control
- Requiring that the Field Impact Insulation Class (FIIC) of a floor/ceiling system separating units in a multi-residential building be  $> 50$

The test flooring laid/fixed to a 250mm thick concrete slab using Accou-STICK trowelled onto the slab using a 3mm trowel. A ceiling consisting of one layer of 13mm thick standard plasterboard was suspended nominally 90mm beneath the soffit. No insulation was installed in the ceiling cavity.

## **SURFACE PREPARATION**

All surfaces must be clean, dry and free of voids, loose materials, oil, grease and curing compounds or dissimilar uncured chemicals that can affect the adhesion.

- Always carry out moisture tests to confirm suitability. A dry concrete slab is considered suitable for timber flooring where the Water Vapour Transmission Rate (WVTR) does not exceed 15gm<sup>2</sup> per 24 hours.
- As a preventative measure, when installing on or below grade substrates they must have appropriate vapour barrier properly installed. It is recommended to apply Moi-Stick Moisture Barrier to prevent moisture migration through the slab which may cause swelling or cupping.
- All subfloors should be level 3mm over 3 meters otherwise floor levelling compound is required.

**Important:** Surface preparation, cleaning and dry substrates are essential for Accou-Stick to form a strong long-lasting adhesion with the substrate.

### **APPLICATION INFORMATION – Designed for Professional, trained applicators.**

A complete full trowel bed installation is the preferred method for direct stick over concrete slabs, timber sub floors and where specified by the timber flooring product supplier or ATFA industry recommendations.

Using a minimum 6mm V-notch or similar U-notch trowel, apply a single application of Accou-Stick in multi directions to ensure optimum uniform coverage and set the flooring material with enough pressure to ensure full contact between the Accou-Stick and the flooring material before the product skins.

Ensure to leave a 10mm gap at minimum between the wall and floor to allow for floor expansion or alternatively follow manufacturer's instructions guidelines for product being installed. Accou-Stick adhesive requires 12-24 hours to cure, before floor can be walked on.

For solid strip flooring, or timber that is not even, the preferred method to maintain pressure is to weight the floor, but as per atfa guidelines, the floor can be temporarily nailed or permanently nailed to the sub floor. Depending on the sub floor and timber used, it can be expected to achieve between 800g/m<sup>2</sup> to 1150g/m<sup>2</sup>.

Note a minimum 5mm V-notch or similar U-notch trowel providing a "full bed" coverage is required where moisture barrier applications are required.

The recommended trowel is to be determined on site by the professional installer, depending on the bonding surface, levelness of the base substrate, material expansion, length of timber or parquet used and mechanical stresses a layer thickness of 2-6mm is recommended. It is important that the applicator sufficiently wet the back side of the timber or parquet and set with enough pressure to ensure full contact to complete the bond.

### **IMPORTANT NOTES**

Accou-Stick must be fully cured prior to sanding. Allow a minimum of 12-24 hours. Variations in ambient temperature and humidity affects curing rates. The product should be protected against frost and direct light during transportation, storage and application. Industry recommendations advise that it can be advantageous for a floor to be left for 3 to 14 days prior to sanding depending on the curing conditions. (Sanding produces heat and this allows extra time for the adhesive to cure and increase its heat resistance.) Refer to supplier if further information required.

Accou-Stick is moisture curing and requires atmospheric moisture to cure. It should not be used in totally confined or air free spaces. Application temperature should not be lower than 5°C. Timber flooring may need to be acclimatised to the relevant environment to prevent excessive expansion and contraction. Only apply enough to work within 30 minutes.

### **CLEANING**

Remove excess sealant immediately with Isopropyl alcohol (IPA) or Acetone.  
Cured material can only be removed mechanically.

### **COLOURS**

Beige. Other colours on request

### **PACKAGING**

16kg pails.

### **SHELF LIFE**

Pails can be stored for 12 months in original closed (unopened) packing in a dry place at temperatures between +10°C and +30°C away from direct sunlight. Do not allow to freeze.

### **HEALTH AND SAFETY**

Please refer to the Safety Data Sheet for additional information.

### **IMPORTANT INFORMATION**

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue

of this document and the date the product is acquired. **Before using the product, the user should carry out any necessary tests or trials in order to ensure that the product is suitable for the intended application.** Moreover, all users should contact the seller of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.