



ROYAL OAK FLOORS

by Harper & Sandilands

Rapid-Stick Timber Floor Adhesive



rapid STICK
QUICK TRADE FLOORING ADHESIVE

RapidStick 3 in 1: is a superior flooring adhesive designed for direct stick concrete flooring applications with a built in moisture barrier. It has been formulated to the same high standards as our AccouStick and MoiStick products, with very low emissions.

PRODUCT NAME	SIZE
RapidStick Timber Flooring Adhesive - Bucket	16kg
RapidStick Timber Flooring Adhesive - Sausage	600ml

Rapid-Stick Timber Floor Adhesive

Product Details

Isocyanate and solvent free, rapid setting, high elastic strength timber flooring adhesive with moisture vapour barrier.

PRODUCT DESCRIPTION

Rapid-Stick TFA is a ready to use, high-elastic and timber flooring adhesive based on Silane Modified Polymer. It is solvent free without any toluene, xylene, methanol, isocyanate or other harmful components. It has excellent UV resistance, moisture resistance and anti-weathering properties.

APPLICATION

Rapid-Stick TFA is a timber flooring adhesive suitable for adhering parquet, solid strip, softwood and hardwood, engineered and bamboo flooring to concrete slabs, cured floor levelling compounds, and timber sub floors in indoor applications. It is also suitable for bonding acoustic underlays as an intermediate bond between subfloors and flooring systems. Suitable for use with under floor heating.

MANY ADVANTAGES

- ✓ One component
- ✓ Fast curing
- ✓ Free of isocyanates and silicones
- ✓ Built In moisture vapour barrier
- ✓ Suitable for use with under floor heating systems
- ✓ One step process which saves time and cost
- ✓ Easy to spread with a notched trowel with great beading stability
- ✓ Water free, no swelling of the timber due to the adhesive
- ✓ Highly flexible elastic curing and compensates for slight movement in the timber reducing stress on the substrates
- ✓ Firmly bonds various types of timber flooring to substrates
- ✓ Non-flammable
- ✓ Excellent strong adhesion
- ✓ Easy Clean with a water dampened cloth while wet
- ✓ ECO, Pollution free - Environmental green product

TECHNICAL CHARACTERISTICS (Typical – at 23°C and 50% rh)

PROPERTY	VALUE	STANDARDS
Technology	SMP	
SAG/Slump @23°C:	None	ISO 11600
Shore A:	Ca. 45	ISO 868
Tensile Strength:	>1.2 MPa	ISO 37
Modulus @ 100%:	>0.8 MPa	ISO 37
Elongation @ break	Ca.200%	ISO 37
Density:	1.6 g/cm ²	23°C
Curing – Tack Free 1 Day 7 Day	30 min >3 mm >8 mm	23°C, 50% rh
UV Resistance – Appearance:	No Change	UV light
Service Temperature	-50°C to +110°C	
Application Temperature	+10°C to +35°C	

Note. Tack free and curing time is influenced by environmental temperature and humidity.

SURFACE PREPARATION

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

The sub floor should be level to 2 mm over 3 metres otherwise a floor level compound is required. For some substrates, they may require a pre-treated with primer, such as pine and some oily timbers. We strongly recommend to complete pre-adhesion testing due to the uncertainty of the wide range of substrates encountered.

All surfaces must be structurally sound before application. Concrete slabs should be constructed in accordance with Australian Standards 2870 (Residential slabs and footings)
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 15gm² per 24 hours. A dry slab is checked by impedance moisture meter with readings of up to 2% and in-slab relative humidity (rh) below 75%.

If outside this range, it is recommended that all ground floor slabs, and all new green slabs (less than four months old) be coated with a suitable Vapour Barrier as moisture levels within the slab can vary over time.

Important: Surface preparation, cleaning and dry substrates are essential for Rapid-Stick TFA 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 4mm V-notch or similar U-notch trowel, apply a single application of Rapid-Stick TFA in multi directions to ensure optimum uniform coverage and set the flooring material with enough pressure to ensure full contact between the Rapid-Stick TFA and the flooring material before the product skins.

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/m² to 1150g/m².

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

Rapid-Stick TFA must be fully cured prior to sanding. Allow a minimum of 48 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.

Rapid-Stick TFA 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 5oC. 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

600ml sausages and 16kg pails.

SHELF LIFE

Pails can be stored for 12 months (sausages 15 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.

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Material Safety Data Sheet

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1. Chemical product and company identification

Product name : RapidStick TFA (Timber Flooring Adhesive)

Supplier : Commercial Flooring Systems

Address : 18 Freight Drive, Somerton Victoria AUSTRALIA

Post Code : 3062

Emergency Call : 1300 395 725

2. Hazards summary

Classification of the substance or mixture

The product is not classified according to the Globally Harmonised System (GHS). Physical and chemical hazards: Not classified

Health Hazards :

Eye contact: the product will hurt the eye when in contact with the eye. The rubbing will hurt the cornea, and the steam will hurt the eyes.

Skin contact: long term contact with the skin or repeated contact may cause allergic or dermatitis reaction

Skin absorption: no absorption

Digestion: generally, not digestible, inhalation can cause injury and cause gastrointestinal dysfunction.

Inhalation: inhalation of steam and smoke can cause respiratory damage.

Label elements including precautionary statements

Symbol: No symbol

Signal words: No Signal words

3. Composition and information on ingredients

Chemical characterisation: Mixtures

Description: Sealant and adhesive based on MS-polymer

Dangerous components: none

4. First-aid measures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints

After skin contact:

Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible).

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Drink plenty of water. Seek medical advice immediately and show the label or packaging

Information for doctor:

Most important symptoms and effects, both acute and delayed.

No further relevant information available.

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Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures

Extinguishing media: dry chemical, carbon dioxide, foam, dry sand.

Fire Fighting Method: Extinguish fire from upwind, if possible. Remove a container quickly to a safe area if it can be removed. Keep unauthorised personnel away from the surrounding area of fire. For initial extinguishment, use dry chemical, carbon dioxide and etc. For large fire, use foam to block the air effectively. In case of fire nearby, cool surrounding apparatus, etc. with water spray.

Special protective equipment and precautions for fire-fighters: Firefighters must wear heat-resistant protective clothing, including respiratory protection.

6. Accidental release measures

Recovery measures: prevent outflow, remove the surrounding dangerous sources, wear protective clothing, and harden according to the general solid waste.

Cleaning measures: mixed with sediment. The waste material is loaded into the container with a shovel and the recyclables are processed according to the local regulations.

7. Handling and storage

Operation precautions: avoid contact with eyes, skin and clothes, and pay attention to cleaning after operation. Avoid inhalation during high temperature use. When used in ventilated conditions, avoid use in a closed chamber.

Storage precautions: store and keep the container sealed in cool and ventilated condition, avoid stacking with incompatible materials, do not squeeze, cut, heat and weld the container. After use, there will be residues in the container. Do not recycle the empty containers.

8. Exposure controls/personal protection

Construction control: use the field ventilation system in time when potential emissions may exceed the site limits.

Control parameter: No.

Respiratory protection: if the field ventilation system does not effectively prevent ventilation and evaporation, appropriate respiratory protection facilities must be used.

Eye protection: wear protective goggles.

Hand protection: use non - penetrating gloves.

9. Physical and chemical properties

Appearance :	Paste	Physical State :	Paste
Odour :	Slight odour	Density :	1.5g/cm³
Boiling Point (°C)	> 150°C	relative vapour density (Air=1)	Not applicable
PH :	Not applicable	Viscosity :	Not applicable
VOC – GB 1853-2008	Not applicable	VOC : 16.2 g/L	Not applicable
Flash Point (°C)	> 150°C	Volatilization : Not applicable	Not applicable
Solid Content :	> 98.5%	evaporation rate : Not applicable	Not applicable
Water solubility :	negligible		

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10. Stability and reactivity

Stability: stable under normal temperatures and pressures.

Incompatibility: This product reacts with acid and reacts with peroxides.

Avoid contact conditions: avoid heating and fire.

Polymerization hazards: has not been reported.

Hazardous decomposition products: when decomposed, it releases irritation and toxic fumes.

Decomposition of carbon dioxide, carbon monoxide and low carbon oxygen compounds.

11. Toxicological information

Acute toxicity: No data currently available

Skin corrosion/irritation: No data currently available

Serious eye damage/eye irritation: No data currently available

Respiratory sensitization: No data currently available

Skin sensitization: No data currently available

Germ cell mutagenicity: No data currently available

Carcinogenicity: No data currently available

Reproductive toxicity: No data currently available

Specific target organ toxicity (single exposure): No data currently available

Specific target organ toxicity (repeated exposure): No data currently available

Aspiration hazard: Specific target organ toxicity (single exposure): No data currently available

12. Ecological information

VOC: 16.2 g/L

Environmental factors: no available parameters.

Ecology: no available parameters.

13. Disposal

Disposal of the product by incineration is preferable. Otherwise, disposal should be made in accordance with applicable local government regulations

Packaging: Use of appropriate ways of recycling.

Collecting: Follow manufacturer's advices on collecting.

14. Transport information

GENERAL

This product is classified as non-hazardous based on GHS Classification and is not covered by international regulation on the transport of dangerous goods.

UN number: Not applicable

UN proper shipping name: Not required

Transport hazard class: Not required

Packing group: Not applicable

Environment hazards (IMDG Code): Not applicable

MARPOL 73/78 and IBC code: Not applicable

Other special precautions: Not required

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15. Regulatory information

Regulatory information: this SDS, referring to "Regulations on the safety management of chemical hazardous materials". Local laws and regulations should be followed in the process of storage, transportation, use and disposal of the products.

16. Other information

Other information: the information comes from our current understanding of products and testing of products, but this does not guarantee any specific properties of products. These data are used as reference for users, but they do not constitute contractual relationships.