Technical Datasheet
Hi-Tack PS
LVT Flooring Adhesive

Pressure Sensitive Adhesive

Product Description
Hi-Tack PS Adhesive is a pressure-sensitive, water-based acrylic emulsion adhesive. It is solvent-free, low odour and low VOC with good peel strength and excellent moisture and alkali resistance. Hi-Tack PS provides extended working time and a releasable bond.

Recommended Use
- Hi-Tack PS is suitable for bonding Karndean loose lay LVT products in stable internal room climates where ease of maintenance is preferred.
- May also be used with PVC-backed and cushion-backed carpet tiles, double-bond underlays and VCT.



Key Features
- Releasable bond.
- Extended working time.
- Ease of maintenance and replacement.
- Moisture-tolerant formulation.
- Global GreenTag™ PHD PlatinumHEALTH™ certified.
- Low VOC emissions.
- Solvent-free
- Low odour.
- Anti-Microbial formulation.
- Australian made.
- Recycled-content packaging.

Substrate and Surface Preparation
Subfloors and substrates must be prepared in accordance with the current Karndean Installation Guidelines and Australian Standards AS 1884 or AS **2455.** Substrates shall be dry, absorbent, sound, flat, level, smooth, clean, free from surface moisture, contaminants, existing adhesives and loose material.
- Mechanically prepare the surface using suitable methods such as sanding, grinding or shot blasting to achieve a, clean, sound and porous surface suitable for subfloor preparation and installation. Thoroughly vacuum all dust and loose material prior to application.
- Uneven or irregular substrates should be prepared using a suitable levelling or smoothing compound in accordance with the manufacturer's instructions.
- Do not use solvents or acid etching to prepare or clean substrates.

Moisture and Alkali Resistance
- All subfloors must be tested for moisture in accordance with AS 1884 prior to the installation of floor coverings.
- Hi-Tack PS can be applied to concrete substrates with a falling moisture content up to 95% RH and pH 12.0.

Acclimatisation and Site Conditions
- Acclimatise the adhesive, floor covering and the installation area in accordance with the applicable Installation Guidelines before, during and after installation. For optimum performance, room temperature should always be maintained between 18-27°C.

- Working and drying time may vary depending on the condition of the subfloor, temperature, humidity, airflow and substrate porosity.
- The minimum subfloor temperature before commencing adhesive application is 10°C.
- Cold conditions can extend drying and curing times and may adversely affect adhesive performance.
- Do not install in direct sunlight or where the adhesive may skin over before the flooring is placed.
- Areas exposed to direct sunlight or localised heat sources should be suitably shaded or otherwise managed during installation.
- Applications subject to significant temperature fluctuation, direct sunlight, intensive wet cleaning or heavy rolling loads may require a higher performance adhesive system.

Application Method

- For applications exposed to significant temperature fluctuations or other unstable environmental conditions, the use of a suitable hard-set adhesive system should be considered.
- Stir well before use and apply adhesive with a V1 notched trowel. For products with a textured backing, adhesive can be applied with a V2 notched trowel. Do not use a trowel that has worn notches.
- Hi-Tack PS is a pressure-sensitive adhesive. Allow the adhesive to dry clear and fully tack-off before installation. Carefully position the flooring into the adhesive film.
- Use a hand roller for each small section immediately as you progress.
- The whole area should be rolled in both directions after installation, using a 45kg roller or a hand roller in confined areas, paying particular attention to the edges.
- Following installation, maintain stable site temperatures, keep window coverings in place, and do not allow heavy traffic for 24 hours.
- Where early traffic is necessary, protect the installation from direct contact using suitable board or sheeting.

Spread Rate and Coverage

Consumption Data		Approx. coverage*
Smooth back LVT	V1 - 1.6 mm x 1.6 mm	4-5 m2/L
Textured or embossed backing	V2 - 2.4 mm x 2.4 mm x 2.4 mm	3 m2/L
Packaging	12.5 L recycled content pail 4L pail	Up to 62.5m² Up to 20m²

*** Coverage and working time may vary depending on substrate condition, absorbency and trowel type.**

Clean Up

- Clean tools immediately after use with water.
- Remove surplus adhesive immediately with a damp cloth. For dry adhesive residue on the floor surface use Karndean Remove.
- Avoid foot traffic, wet cleaning and maintenance activities for at least 24 hours after installation.
- Additional curing time is recommended prior to intensive cleaning. As a general guide, allow at least 7 days before undertaking intensive cleaning activities such as wet washing, stripping or scrubbing to promote adhesive bond development and long-term installation performance.
- Do not flush adhesive residue down drains. Dispose of empty containers and residue in accordance with local waste requirements.

Considerations for Use

- Designed for stable internal room climates. Where significant temperature fluctuation is anticipated, the use of a suitable hard-set adhesive system should be considered.
- This product is moisture tolerant within its published limitations but is not a moisture vapour barrier and does not prevent the transmission of moisture vapour or alkalinity through the substrate or protect other flooring system components from moisture.
- Concrete slabs on or below grade must be installed with an effective sub-slab damp proof membrane.

- Under high moisture conditions, the concrete should be mechanically prepared to a minimum CSP 2 profile and confirmed to be suitably absorbent.
- Concrete must be a minimum of 30 days drying and sufficiently cured (drying time should be calculated from when the slab was poured or last wetted by rain).
- Where moisture ingress, rising dampness, hydrostatic pressure or similar conditions are identified, the underlying cause should be assessed and appropriately remediated prior to installation.
- Do not apply in conditions where direct sunlight, excessive airflow, heat or cold may adversely affect working time, curing and final performance.
- **Extreme service conditions, including significant solar gain, sustained elevated temperatures or severe environmental exposure, may require a specialist polyurethane adhesive system.**

Storage, Shelf Life and Disposal

- Non-combustible material.
- Shelf life: 12 months when stored in original unopened packaging.
- Store in a dry, temperature-stable environment away from direct sunlight.
- Protect from moisture, contamination and extreme temperatures- including freezing.
- Keep containers off cold floors and tightly sealed when not in use.
- Dispose of contents and container in accordance with local, regional, and national regulations.
- Do not pour unused material into drains or waterways.

Safe Handling

- Avoid contact with eyes and repeated or prolonged skin contact.
- Avoid breathing fumes, mist, vapours or spray.
- Use in a well-ventilated area.
- Where ventilation is inadequate or working in confined spaces, suitable respiratory protection may be required.
- Wear appropriate protective clothing, gloves and eye/face protection.
- Wash hands, face and exposed skin thoroughly after handling.
- Do not eat, drink or smoke while using this product.
- Wash contaminated clothing and protective equipment before re-use.
- Keep out of reach of children.
- Mechanical surface preparation activities may generate respirable dust. Appropriate dust control measures and PPE should be used in accordance with the equipment manufacturer's instructions and applicable workplace safety requirements.

Hazardous Goods Identification

Hi-Tack PS is not classified as hazardous according to the criteria of Safe Work Australia GHS 7 and is not classified as Dangerous Goods for Australian road and rail transport.

First Aid Measures

- **Skin Contact:** Wash thoroughly with soap and water. If irritation or rash occurs, seek medical advice.
- **Eye Contact:** Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
- **Inhalation:** Remove person to fresh air and keep at rest. Seek medical advice if symptoms persist.
- **Ingestion:** If swallowed, give water to drink. Do not induce vomiting. Seek medical attention.
- If medical advice is needed, have the product container or label available.
- For advice, contact a Poisons Information Centre: Australia: 13 11 26

A Safety Data Sheet (SDS) is available upon request: customerservice@karndean.com.au

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
MAIL: 215 Colchester Road Kilsyth Victoria 3137 (Customer Service)
WEBSITE: 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.

Contact Karndean

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