Technical Datasheet
Mega-Bond HT
LVT Flooring Adhesive

High Temperature Hard Set Adhesive

Product Description
Karndean Mega-Bond HT Adhesive is a fibre-reinforced hard-set acrylic polymer, water-based adhesive. It is solvent-free, low odour and low VOC, with high shear strength, excellent plasticiser resistance and non-staining properties. Mega-Bond HT provides enhanced resistance to thermal movement.

Recommended Use
- Mega-Bond HT is suitable for bonding Karndean gluedown and loose lay LVT plank and tile products in areas exposed to variable or elevated temperatures and underfloor heating applications.
- May also be used with other PVC-backed LVT, VCT and vinyl floor coverings.



Key Features
- High peel and shear strength.
- Enhanced dimensional restraint.
- Excellent plasticiser resistance.
- Non-staining properties.
- Suitable for underfloor heating.
- Global GreenTag™ PHD Platinum HEALTH™ 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. 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.
- Mega-Bond HT Adhesive can be applied to concrete substrates with moisture content up to 85% Relative Humidity (RH) and pH 10.0.
- Where substrate moisture levels exceed these values Karndean Mega-Bond MT Adhesive may be considered for use.

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

- Stir well before use and apply the 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.
- Mega-Bond HT is a wet-bond adhesive. Lay the LVT into the freshly spread adhesive without allowing tack-up to ensure maximum bond strength and minimise the risk of peaking and gapping.
- Use a hand roller for each small section immediately as you progress.
- The whole area should be rolled in both directions after installation and prior to adhesive setting, 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	Up to 62.5m²

* 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

- Not suitable for rubber floorcoverings.
- Concrete slabs on or below grade must be installed with an effective sub-slab damp proof membrane.
- Where moisture ingress, rising dampness, hydrostatic pressure or similar conditions are identified, the underlying cause should be assessed and appropriately remediated prior to installation.
- Internal use only.

- Do not allow the adhesive to dry out before placing the floor covering.
- 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.

Health and Safety

Mega-Bond HT 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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