

# Keratrade KeraStik 3-1

KeraStik 3-1 is a high performance flooring adhesive, moisture control, and sound reduction membrane all in one.



Uses:	<b>Internal</b>
Foot Traffic:	<b>12 Hrs</b>
Work time:	<b>60min</b>
Normal Uses:	<b>24 Hrs</b>
Coverage:	<b>8-9m<sup>2</sup> @ 6mm V Trowel</b> <b>12-14m<sup>2</sup> @ 4mm V Trowel</b>
App Temp:	<b>10-35°C</b>
VOC Rating:	<b>0 g/L</b> <b>(US RULE 1168)</b>
Clean Up:	<b>Methylated Sprits</b>
Size:	<b>16KG</b>

## ADHESIVE, SOUND REDUCTION & MOISTURE CONTROL

- Exceptionally low moisture permeability
- Enhanced sound control generally surpasses 3mm rubber underlay.
- Strength bond for reliable installations.
- Can span cracks up to 3mm, ensuring stable flooring.
- Zero VOC complies contributing to healthier indoor air quality.
- Board dimensions are not limited
- Suppresses the growth of bacteria and fungi, improving longevity
- Suitable for use over radiant heating.
- Can be used in wet areas (limitations apply, must be covered by screed & or membrane )

## USES

Ideal for various substrates including concrete, terrazzo, ceramic tiles, vinyl sheets, timber, plywood, and cement backer board. Suitable for bonding parquet, cork, solid strip softwood, hardwood, engineered and bamboo flooring.

## ENHANCED MOISTURE PROTECTION

Keratrade KeraStik 3 in 1 exhibits exceptionally low moisture vapor permeability and remains unaffected by moisture exposure. Consequently, when the concrete slab is adequately prepared, fully cured, and dry to the touch, the need for expensive and time-consuming moisture testing is eliminated.

## ANTI-FRACTURE PERFORMANCE

The elastomeric properties of the material enable it to bridge cracks up to 3mm that may develop in the substrate, either prior to or following installation. This exceptional elasticity ensures that the adhesive can accommodate the natural expansion and contraction of the wood in response to fluctuations in humidity and temperature throughout the lifespan of the flooring. Thickness Control Spacer Technology Keratrade KeraStik 3 in 1 incorporates Thickness Control Spacer Technology. This feature is designed to ensure that the optimal membrane thickness is consistently maintained between the hardwood flooring and the substrate during the application.

Installers can effectively utilize mallets to en the tongue and groove, or even walk on their work during the installation process, without significantly compromising the film thickness.

## ENHANCED SOUND CONTROL

The Keratrade KeraStik 3-in-1 system offers an advanced sound reduction barrier that exceeds the performance of traditional 3mm rubber underlay. This innovative solution not only improves acoustic efficiency but also eliminates the costs related to the labour and materials needed for the transport and installation of secondary acoustical sheet membranes.

## SUBSTRATE AND SURFACE PREPARATION

- Verify that the substrate has been installed in accordance with applicable standards /manufacturer guidelines.
- Ensure that the substrate is clean and free of oil, grease, sealers, curing compounds, paints, polymer coatings, dust, or any other contaminants that could compromise adhesion. Any weak or friable material must be thoroughly removed.
- The subfloor must be level to within 3mm over a distance of 3 meters, ensuring no gap exceeds 3mm when a straight edge is placed against the slab. If this tolerance is exceeded, the area should be leveled with Keratrade or any Kerakoll self-leveller following the TDS.
- All surfaces must be structurally sound prior to application. Concrete slabs should be constructed in accordance with AS 2870 (Residential Footings and Slabs).
- Should there be any uncertainty please contact Keratrade prior to commencing

Item Code: **KERA3-1-16KG**

**Keratrade** - A GreenBuilding Company  
88 Sutton Street, Nth Melbourne VIC 3051

**CALL: 1300 NO HARM (1300-66-4276)**

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**keratrade.com.au**

Store the product securely, and check with your local council regarding the disposal of contents. Dispose of packaging thoughtfully and recycle where possible. Keep out of reach of children. If you feel unwell, consult a doctor. For more information, refer to the Safety Data Sheet (SDS) available at [www.buildgreen.au](http://www.buildgreen.au)

#### GUARANTEE

BuildGreen guarantees that Keratrade Products are free from manufacturing defects and will meet any applicable specifications published by us for a period of 10 years from the date of purchase. Refer to the BuildGreen Guarantee.

#### DISCLAIMER

The technical details and recommendations are provided based on the best knowledge at the time. It is the user's responsibility to ensure the correct use and handling of the products in line with applicable Australian Standards. Users should verify that the product is appropriate for their specific applications and meets system specifications. We reserve the right to change information without prior notice as part of ongoing research and development.

## APPLICATION GUIDELINES

- Achieve 80-95% contact coverage when the adhesive is used solely for adhesion; ensure 100% contact coverage when the adhesive also serves moisture and sound control purposes.
- Apply the adhesive evenly and proceed with the flooring installation immediately, applying sufficient pressure to guarantee complete adhesive contact.
- Periodically lift the boards post-installation to verify that proper slab coverage and transfer to the back of the flooring have been accomplished.
- For solid strip flooring, it is recommended to maintain pressure through the use of weights. According to ATFA guidelines, the flooring may also be temporarily or permanently nailed as an alternative method.
- If a thin skin develops on the adhesive prior to installation, re-trowel at a 90° angle to the ridges until all traces of the original trowel marks are eliminated. Adhesive that has cured excessively before flooring installation must be removed, and fresh adhesive should be reapplied.

**Important Notice:** The concrete substrate must not possess a smooth and reflective surface; rather, it should exhibit a slightly textured and porous quality (CSP1-2). It is recommended to assess the substrate's absorption and texture in multiple locations across the job site. This can be done by applying droplets of water onto the slab. Within one minute, the water droplets should demonstrate signs of penetrating the substrate, indicated by the presence of a water stain on the concrete without a "domed" appearance. If there are no visible signs of water penetration after one minute, and if the droplets remain domed, it will be necessary to mechanically texture the substrate to achieve a CSP of 1-2. Kerastik 3 in1 must be fully cured prior to sanding. Allow a minimum of 24hrs

## ADHESIVE ONLY ADHESIVE Application Coverage

**Engineered hardwood flooring ≤ 13mm thickness**  
(4.7 x 4mm V-Notch trowel) 11 – 12m<sup>2</sup>

**Solid, engineered or bamboo up to 16mm thickness**  
(6 x 6mm Square or V-Notch trowel) 8 – 9m<sup>2</sup>

**≤ 13mm thickness parquet or cork underlayment**  
(4 x 4mm Square Notch trowel) 12 – 14m<sup>2</sup>

## MOISTURE CONTROL Application Coverage

**Solid, engineered or bamboo > 16mm thickness**  
(6 x 6mm V-Notch trowel) 8 – 9m<sup>2</sup>

**Solid, engineered or bamboo flooring > 13mm thickness**  
(6 x 6mm Square or V-Notch trowel) 8 – 9m<sup>2</sup>

## CLEAN UP:

Tools can be cleaned with Methylated Sprits or isopropyl

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