

# Sustainability Data Sheet

|                     |                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range name          | Karndean LooseLay Originals                                                                                                                                                                                                                                                                                                                        |
| Product description | Inherently impermeable and easy to clean due to its PVC construction.<br>A premium decorative floor finish for use in heavy duty residential and commercial areas<br>A heterogeneous (multi-layered), resilient luxury vinyl tile (LVT) floor covering product, designed to be glued to the subfloor with pressure sensitive or hard set adhesive. |
| LVT Format          | Loose lay                                                                                                                                                                                                                                                                                                                                          |
| Type                | Wood-look planks<br>Stone-look tiles                                                                                                                                                                                                                                                                                                               |
| Thickness           | 4.5mm                                                                                                                                                                                                                                                                                                                                              |
| Wear layer          | 0.55mm<br>Features a variety of moderate surface embosses to aid in aesthetics, slip resistance and ease of cleaning.                                                                                                                                                                                                                              |
| Slip ratings        | R10/P2 (planks), R9/P2 (tiles)                                                                                                                                                                                                                                                                                                                     |

## Manufacturing

|                                                        |                                                                                                                                                                                          |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Independent factory audits                             | We commission third-party audits of all our factories for both environmental and social performance, which includes working conditions, hours worked, and workplace health and safety.   |
| Manufacturing factory location                         | South Korea, Korea                                                                                                                                                                       |
| Primary raw source materials                           | Calcium carbonate (62%), PVC (26%), Plasticizer (10%), Ortho-phthalate free                                                                                                              |
| Embodied carbon intensity (A1-A3, per functional unit) | 12.3 kg CO <sub>2</sub> eq per m <sup>2</sup> with 0 kg CO <sub>2</sub> eq offset                                                                                                        |
| Renewable energy used                                  | Up to 5% of power generated through renewables on site.                                                                                                                                  |
| Recycled water used                                    | Our manufacturing partners operate closed-loop water systems, with some facilities using 100% recycled water for industrial processes, significantly reducing reliance on potable water. |
| Post-industrial recycled content                       | Up to 50% in the backing layer                                                                                                                                                           |

ISO14001 certified factory (which provides a framework for measuring and reducing environmental impact, from facility water usage to eco-friendly product packaging)



Yes - An internationally agreed standard that defines requirements for systems to manage, monitor and control our use of resource and waste.

ISO9001 certified factory (for product-quality management)



Yes - An internationally recognised standard for quality management systems, helping ensure consistent product quality and continual improvement.

Supply Chain Transparency



Karndean Global, along with our factory suppliers, are members of Sedex. We use the Sedex framework to assess and improve their sustainability performance. We use independent auditors, Eurofins, and the 4 pillar Sedex framework to review the suppliers on their social performance, environmental performance, business ethics, and labour conditions. Full audit results are made available to customers who are also Sedex members.

## Installation & in use certifications

|                                           |                                                                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stock location                            | Melbourne, Australia                                                                                                                                                |
| Adhesives                                 | Low VOCs, water-based and solvent free adhesives are available                                                                                                      |
| Packaging:                                |                                                                                                                                                                     |
| Primary Packaging                         | Cardboard, 100% recyclable                                                                                                                                          |
| Tertiary Packaging                        | Wood pallets, plastic wrapping and banding                                                                                                                          |
| Crystalline Silica (Quartz) Content (wt%) | Not detected                                                                                                                                                        |
| PVC Stewardship                           | <br>PVC STEWARDSHIP Silver                                                         |
| Floorscore certified                      | <br>Yes - awarded low indoor air emissions of Volatile Organic Compounds (VOCs)   |
| Indoor air comfort                        | <br>Eurofins Indoor Air Comfort Gold: Awarded to products with low VOC emissions |

### Environmental Product Declaration (EPD)



Cradle to Grave/ Full LCA (A1-C4) This product is covered by a third-party, SCS Global, verified Environmental Product Declaration (EPD), specific to this product range. Our EPDs provide transparent, independently verified data that reflects the actual manufacturing, transport, and material inputs relevant to the Australian market.

### GreenTag™ LCARate



GreenRate Level A

### Best Practice PVC certified



Yes

### Volatile organic compounds (VOC)



A+

### Green Building Council Australia (GBCA)



This product is Global GreenTag certified and may contribute to points under the Green Star rating tools, as recognised by the Green Building Council of Australia.

## Leadership in Energy and Environment Design (LEED)



Karndean LooseLay Originals qualifies for the below LEED credits:

| Building Type           | LEED Credit Description                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| NC (New Construction)   | EQ4.3 Low Emitting Products - Flooring Systems                                                                                               |
| EB (Existing Buildings) | MR3. Sustainable Purchasing - Facility Alterations                                                                                           |
| H (Home)                | MR2. Environmentally Preferable Products                                                                                                     |
| AWTA to ISO 4760:2022€  | Topical Moisture Resistance - Assembled Joint (Modified) with no evidence of water penetration to the substrate through the assembled joint. |

## Building Research Establishment Environmental Assessment Method (BREEAM)



Karndean LooseLay Originals holds the below generic ratings within the BRE Global Green Guide to Specification.

| Sector     | Element Reference | Rating |
|------------|-------------------|--------|
| Healthcare | 821570039         | A+     |
| Commercial | 821570039         | A      |
| Retail     | 821570039         | A+     |
| Education  | 821570066         | A+     |
| Domestic   | 821570066         | A      |

## End of life and performance data

|                                                                                                     |                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Warranty</b>    | <p>Commercial - 15 years</p> <p>Domestic - 35 years</p> <p>Is warranted to exceed AU building code durability requirements (5 years) when installed in areas appropriate to its ISO 10582 classification assessment.</p>                                                            |
| <b>Recyclable</b>  | <p>Unused installation offcuts are eligible for recycling through the ResiLoop take-back scheme, with a national collection system now in place. This product is designed to minimise on-site waste during installation by maximising material efficiency and reducing offcuts.</p> |
| <b>Reusable</b>                                                                                     | <p>Yes</p>                                                                                                                                                                                                                                                                          |
| <b>Fire Test Certificate</b>                                                                        | <p>Available via the Downloads Centre at <a href="https://karndeancommercial.com">karndeancommercial.com</a></p>                                                                                                                                                                    |
| <b>Environmental Product Declaration (EPD)</b>                                                      | <p><a href="#">Click here</a></p> <p>The EPD provides independently verified life cycle assessment data, including embodied carbon, energy and water values, based on the declared functional unit and methodology applicable to the Australian market.</p>                         |

## Brand

|                                                                                                                                      |                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>The Anti-Greenwash Charter</b>                 | <p>Proudly the first Australian company to sign the Anti-Greenwash Charter.</p> <p><b>ResiLoop</b>  Founding Member</p> |
| <b>Modern Slavery Statement</b>                                                                                                      | <p>Available upon request</p> <p><b>Product Aware profile</b> <a href="#">Wood-look planks</a><br/><a href="#">Stone-look tiles</a></p>                                                                      |
| <b>Australian Resilient Flooring Association</b>  | <p>Member</p> <p><b>Other ranges this information is applicable to</b> Andersens Designer Collection</p>                                                                                                     |