

## Karndean Van Gogh and Karndean Art Select Ranges

### Karndean Designflooring Building Code E3/AS1 Internal Moisture 2nd Edition Amendment 7 Alternative Solution Compliance Statement

**Acceptable solutions for watersplash areas**, including kitchens, laundries, bathrooms and toilet areas, where a building consent for new or refurbished work is required.

Accepted solutions for flooring finishes in these areas include slab-on-grade concrete finished with a steel trowel, cementitious topping or stone; or an integrally waterproof sheet material (e.g. vinyl) with welded seams and sealed or covered edges to ensure watertightness. The finish must be impervious and easily cleaned. The flooring area to be treated extends to all walls and the doorway in fully enclosed rooms, or at least 1.5 metres from all sanitary fixtures or appliances in open-plan room configurations.

Timber, laminates and vinyl planks may still be used; however, these flooring finish types will now need to be specified and approved as an Alternative Solution.

#### Alternative Solutions Compliance Statement for E3

This document provides guidance in regards to the comment under section 3.1.1 Floors (Section 3.0 Watersplash) that states “other floor finishes may also be capable of satisfying the performance for impervious and easily cleaned, if installed in a manner that prevents gaps or cracks within the finish and at any parts of its perimeter that are exposed to water splash, and/or if the surface is sealed with a suitable durable coating”.

When Karndean products are installed in accordance with the manufacturer’s installation guidelines—and, where applicable, using RLA subfloor preparation systems and adhesives—the resulting flooring system complies with the performance requirements of **NZBC Clause E3 (Internal Moisture)** via the following typical **Acceptable Solution pathways**:

- In-service history
- Expert opinion or producer statement
- Previously accepted Alternative Solution

#### IMPERVIOUS SURFACE

All Karndean products are manufactured with Karndean K-Guard+ Surface Protection, a polyurethane-based system that provides a hygienic, durable and impervious waterproof surface. As a result, all Karndean products are water- and moisture-resistant.

For Karndean Hybrid ranges, the integrated joint systems—including 5G click mechanisms—offer resistance to water penetration in areas subject to occasional water splash. Neither Karndean LVT nor Hybrid boards are adversely affected by moisture under normal use or standard cleaning procedures.

Polyurethane surfaces have long been the standard for ease of cleaning and maintenance in hard flooring and our maintenance and cleaning instructions are readily available.

## PERIMETERS EXPOSED TO WATERSPLASH

For Karndean LVT (including Glue Down Knight Tile, Opus, Van Gogh, Art Select, LooseLay Originals, and LooseLay Longboard) and Karndean Hybrid products (Korlok, Van Gogh Rigid Core, and Knight Tile Rigid Core), a continuous bead of silicone sealant should be applied at the floor-to-wall junction around all room perimeters.

In fully enclosed rooms, the silicone should extend to all walls and the doorway. In open-plan rooms or areas with potential water splash or wet use, the sealant must extend at least 1.5 metres in all directions from any sanitary fixtures or appliances.

This detailing is required to prevent the formation of gaps or cracks at the perimeter, mitigate water ingress and ensure the flooring system remains easy to maintain and durable over time.

**For Hybrid ranges to achieve the maximum allowed floor area, the main floor should be segregated from the wet room or splash zone area by use of control joints at doorways, thresholds and or architectural breaks as required. Outside of areas specified as watersplash, standard installation guidelines must be applied as per Karndean Installation guides**

## SERVICE HISTORY

Karndean products have been manufactured by Karndean, distributed and installed by our retail partners in New Zealand for over 25 years, with a main focus on the domestic market.

When Karndean products are installed according to Karndean installation guides and, where applicable, to system specifications as required for wet areas, Karndean products have a proven track record of performance and service history in the New Zealand market.

Attached to this Alternative Solution Statement, Karndean provides the following information:

1. Previous accepted Producer statement to E3/AS1
2. RLA Polymers LVT - Wetroom installation system - Kitchen, Laundries and Toilets
3. RLA Polymers LVT - Wetroom installation system - Bathrooms and En suites
4. Karndean installation guides
  - a. LVT
  - b. LooseLay
  - c. Korlok
5. Karndean cleaning and maintenance guides
6. Karndean warranty declaration

## ADDITIONAL INFORMATION

Where the attached or above information is not followed as directed and or documented, it will be the responsibility of the retailer, contractor and or installer to confirm any proposed changes to the prescribed systems are thoroughly investigated to ensure conformance to E3/AS1.

## NOTE

The NZWTA test Certificate no1441939.4 relates to the Karndean Van Gogh LVT Range.

This will cover the Karndean Art Select LVT Range, as both have the same construction specification as shown in the Karndean Technical Data Sheets for Van Gogh and Art Select.

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