

Karndean Knight Tile - Rigid Core

BPIR Declaration

Version: 1.1 - November 2023

Designated building product: Class 1

Declaration

Karndean Designflooring Pty Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product

| | |
|-------------|--------------------------|
| Name | Knight Tile - Rigid Core |
| Line | FA4.5-0.3-KTRC-12 |

Description: Knight Tile - Rigid Core

- Is a premium decorative floor finish for use in heavy duty residential areas and moderate duty commercial areas
- Is a heterogeneous (multi-layered), resilient luxury vinyl tile (LVT) floor covering product, designed to be installed as a floating floor.
- Is part of a system that may include combinations of third party moisture barriers, primers, damp proof membranes, underlayments and underlays as described in Karndean's installation guidelines
- Comes in a range of 1220.0mm x 180.0mm wood-look plank designs and 457.2 mm x 304.8mm stone-look tile designs.
- Has an overall thickness of 4.5 mm with a 0.3 mm wear layer, and features a variety of moderate surface embosses to aid in aesthetics, slip resistance and ease of cleaning.
- Has good slip resistance in non-wet areas and is easily cleaned and impervious when installed in accordance with Karndean installation guidelines.

Scope of use: Knight Tile - Rigid Core

- Is suitable for use as an interior floor covering.
- Is suitable for heavy duty residential applications and moderate duty commercial applications.
- Is suitable for use with underfloor heating systems.
- Has a minimum slip resistance of R10 and can be used in areas where vinyl flooring is deemed to provide adequate slip performance in areas deemed to be normally dry.
- Has a critical heat flux of 10.9kW/m² when tested in accordance with ISO9239:2010 making it suitable for use in all building areas with C 3.4 (b) obligations.
- Is inherently impermeable and easy to clean due to its PVC construction.
- Is tested by NZWTA to ISO 4760:2022(E) - Laminate Flooring - Topical Moisture Resistance - Assembled Joint (Modified) with no evidence of water penetration to the substrate through the assembled joint.
- Is suitable for use in (water splash) wet areas adjacent to sanitary fixtures or appliances (with the exception of rooms where falls to a central floor waste are present) when installed in accordance with Karndean Alternative solution producer statement (Note: this is not a reference to slip resistance).
- Is suitable for use in food preparation areas such as kitchens in residential areas and breakout areas in commercial areas when installed in accordance with Karndean Alternative solution producer statement (Note: this is not a reference to slip resistance).

- Is suitable for use in adjacent and vertically adjacent tenancies as part of a system including concrete and ceiling specifications, and other elements as described in the E90 and E492 test certificates.

Conditions of use: Knight Tile - Rigid Core

- Is not suitable for exterior use.
- Is not suitable for use in areas subject to constant flooding (e.g. shower stalls).
- Is not suitable for use in heavy duty commercial areas or commercial kitchens.
- Is not suitable for use in (water splash) wet areas where falls to a central floor waste are present.
- Must be cleaned and maintained in accordance with the Karndean Cleaning Guide 2018.
- Must be installed in accordance with NZS AS 1884 and Karndean installation guidelines.

Relevant building code clauses

- B2 Durability – B2.3.1 (c)
- C3 Fire affecting areas beyond the fire source - C3.4 (b)
- D1 Access Routes - D1.3.3 (d)
- E3 Internal Moisture - E3.3.3, E3.3.5, E3.3.6
- F2 Hazardous building materials – F2.3.1
- G3 Food Preparation and prevention of contamination - G3.3.2 (b)
- G6 Airborne and impact sounds - G6.3.1, G6.3.2

Contributions to compliance

- B2.3.1(c) Knight Tile - Rigid Core is warranted to exceed NZ building code durability requirements (5 years) when installed in areas appropriate to its ISO 16511 classification assessment.
- C3.4 (b) Knight Tile - Rigid Core has a CRF of 10.7kW/m² which exceeds the minimum critical radiant flux requirements when tested to ISO 9329-1:2010
- D1.3.3 (d) Knight Tile - Rigid Core is a vinyl flooring making it an acceptable material in Table 2 of Acceptable solution D1/AS1 for level or sloping surfaces or stairs in normally dry areas. It is also compliant with exceptions (a) and (b) of clauses 2.1.1, 2.1.2 and clauses 2.1.3 and 2.1.4.
- E3.3.3, E3.3.5, E3.3.6 Knight Tile - Rigid Core is easily cleaned and impervious per NZWTA testing to ISO4670 (modified) when installed and maintained in accordance with Karndean's Alternative Solutions Producer Statement.
- F2.3.1 Knight Tile - Rigid Core has no known hazards. The product doesn't meet the criteria for classification according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS), 7th Revised Edition, 2017.
- G3.3.2 (b) Knight Tile - Rigid Core is easily cleaned and impervious per NZWTA testing to ISO4670 (modified) when installed and maintained in accordance with Karndean's Alternative Solutions Producer Statement
- G6.3.1, G6.3.2 Knight Tile - Rigid Core has a Sound Transmission Class of (STC) of 60 and an Impact Insulation Class (IIC) of 65 when tested in a laboratory as part of an acoustic system.

Supporting documentation

The following additional documentation supports the above statements:

- ✓ Warranty Brochure 

- ✓ Cleaning guide 
- ✓ Installation Guide - General 
- ✓ Floorscore Certificate 
- ✓ LVT Wetroom Watersplash Install - Kitchen/Laundry/Toilet  
- ✓ LVT Wetroom Watersplash Install - Bathrooms  
- ✓ Technical Data Sheet - Knight Tile - Rigid Core  
- ✓ Area of Use Classification Assessment (ISO 10582 FA4.5-0.3-KTRC-12)  
- ✓ Fie test Certificate ISO 9239 2010 FA4.5-0.3-KTRC-12  
- ✓ Slip test Certificates (Minimum R10)  
- ✓ Acoustic Test certificate ASTM E492 IIC 65 E90 STC60 FA4.5-0.3-KTRC-12  
- ✓ E3 Alternative Solution Producer Statement Polymer 8000_LVT  
- ✓ E3 Moisture test (ISO 4760:2022(E) 1441941.0 Knight Tile - RC Range  
- ✓ For further information supporting Knight Tile - Rigid Core claims, contact

Contact details

Importer information

Karndean Designflooring Pty Ltd
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 Australia 3180
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Manufacture location China

Legal and trading name of manufacturer

Shanghai Jinka Flooring Technology Co., Ltd
 No. 818, Huifu Road, Jiading District, Shanghai, China
<http://en.jinkaflooring.com/>
sales@jinkaflooring.com

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can confirm that **Karndean Knight Tile - Rigid Core** is not subject to any warning or ban under s26 of the Building Act:

Signed for and on behalf of: Karndean Designflooring Pty Ltd

C. Griffiths
Product Manager

November 2023