

Product Information Declaration



FLOORING SYSTEMS

Allura Puzzle

Document Version	V1 - December 2023
Product Class	Class 1
Category	Flooring
Product Type	Heterogeneous Luxury Vinyl Tiles
Manufacturer	Forbo Holdings Ltd.
Product	Forbo Allura Puzzle Tiles
Ranges	Various options available, see ww.forbo.com for options
Identifier	Allura Puzzle
Format/s	Thickness: 5 mm 96cmx96m in a puzzle piece format.
Materials	Comprised of a embossed lacquer, wear layer, printed design layer, glass fleece carrier, calendared balanced layer with recycled content, and a structured backing.
Area of use	Residential and Commercial Interior floors, in dry level areas. Commercial Very Heavy Duty Rated use class 34 and Industrial Use class 43.

Conditions of use

Forbo Allura Puzzle Luxury Vinyl Tile must be installed by a qualified trades person in accordance with FloorNZ's Best Practice Guidelines to meet NZS/AS 1884:2013 - Floor Coverings: Resilient Sheet and Tiles - Installation practices and must be installed in accordance with the Forbo Allura Puzzle Installation Guide, including and without limitation Forbo's subfloor moisture and requirements and initial floor preparation procedures, all as set out in the Forbo Allura Puzzle Installation Guide. It must be cleaned and maintained as per the Cleaning and Maintenance Guide.

Forbo Allura Puzzle is installed without the use of a tackifier or any type of adhesive as per the Forbo Allura Puzzle Installation Guide. Underlays are not required with Forbo Allura Puzzle, however Sarlibase Acoustic Underlay is suitable to use if additional acoustic performance is required.

Forbo Coral Entrance Matting is intended to be used at every entrance and exit point of a building, a distance of 3 meters is recommended. This protects Forbo Allura Puzzle against excessive soiling from outside contaminants.

New Zealand Building Code Compliance

Section of Code	Product Compliance															
<p>B2 Durability</p> <p>B2 3.1 Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or: (c) 5 years if: 1. the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and 2. failure of those building elements to comply with the building code would be easily detected during normal use of the building.</p>	<p>Forbo Allura Puzzle Tiles have a Standard Product Warranty of 15 years.</p> <p>They are produced in accordance with ISO 9001:2015 Quality Management Systems and ISO 14001:2015 Environmental Management Systems, requirements.</p> <p>Refer to: Forbo 15-year Standard Product Warranty, Allura Puzzle Technical Specification, Forbo Allura Puzzle Installation guide, Forbo Allura Care & Maintenance documentation for further information.</p>															
<p>C3 Surface Linings</p> <p>C3.4 (b) floor surface materials in the following areas of buildings must meet the performance criteria specified below: Area of building minimum critical radiant flux when tested to ISO 9239-1: 2010.</p> <table border="1" data-bbox="78 1048 780 1872"> <thead> <tr> <th data-bbox="78 1048 325 1240">Area</th> <th data-bbox="325 1048 560 1240">Buildings not protected with an automatic fire sprinkler system</th> <th data-bbox="560 1048 780 1240">Buildings protected with an automatic fire sprinkler system</th> </tr> </thead> <tbody> <tr> <td data-bbox="78 1240 325 1433">Sleeping areas and exitways in buildings where care or detention is provided</td> <td data-bbox="325 1240 560 1433">4.5 kW/m²</td> <td data-bbox="560 1240 780 1433">2.2 kW/m²</td> </tr> <tr> <td data-bbox="78 1433 325 1541">Exitways in all other buildings</td> <td data-bbox="325 1433 560 1541">2.2 kW/m²</td> <td data-bbox="560 1433 780 1541">2.2 kW/m²</td> </tr> <tr> <td data-bbox="78 1541 325 1706">Firecells accommodating more than 50 persons</td> <td data-bbox="325 1541 560 1706">2.2 kW/m²</td> <td data-bbox="560 1541 780 1706">1.2 kW/m²</td> </tr> <tr> <td data-bbox="78 1706 325 1872">All other occupied spaces except household units</td> <td data-bbox="325 1706 560 1872">1.2 kW/m²</td> <td data-bbox="560 1706 780 1872">1.2 kW/m²</td> </tr> </tbody> </table>	Area	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system	Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m ²	2.2 kW/m ²	Exitways in all other buildings	2.2 kW/m ²	2.2 kW/m ²	Firecells accommodating more than 50 persons	2.2 kW/m ²	1.2 kW/m ²	All other occupied spaces except household units	1.2 kW/m ²	1.2 kW/m ²	<p>Forbo Allura Puzzle Luxury Vinyl Tiles maintain a valid test report showing Critical Radiant Flux (CRF) value over 4.5kW/m² meeting all levels of C3 requirements.</p>
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<p>D1 Access Routes</p> <p>D1.3.3 Access routes shall: (d) have adequate slip-resistant walking surfaces under all conditions of normal use.</p>	<p>Allura Puzzle is an acceptable solution for dry level areas with a valid test report showing a Slip Resistance Value of 38. Refer to the Allura Puzzle Slip Report for further information.</p>															

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<p>E3 Internal Moisture</p> <p>E3.3.3 Floor surfaces of any space containing sanitary fixtures or sanitary appliances must be impervious and easily cleaned.</p> <p>E3.3.5 Surfaces of building elements likely to be splashed or become contaminated in the course of the intended use of the building, must be impervious and easily cleaned.</p> <p>E3.3.6 Surfaces of building elements likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into concealed spaces.</p>	<p>Allura Puzzle Tiles are easily cleaned as per the Forbo Allura Flex Cleaning and Maintenance guide.</p> <p>They are also Impervious and water resistant.</p>
<p>F2 Hazardous Building Materials</p> <p>F2.3.1 The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.</p>	<p>No components within Forbo Allura Puzzle Tiles are considered Hazardous.</p> <p>Refer to the Forbo Allura Puzzle Material Safety Data Sheet and VOC Report documents for further information.</p>
<p>G3 Food preparation and prevention of contamination</p> <p>G3.3.2 Spaces for food preparation and utensil washing shall have: (b) all building elements constructed with materials which are free from hazardous substances which could cause contamination to the building contents .</p> <p>G6 Airborne and Impact Sound</p> <p>G6.3.1 The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55.</p> <p>G6.3.2 The Impact Insulation Class of floors shall be no less than 55.</p>	<p>G3.3.2 Forbo Allura Puzzle Tiles inhibit bacterial growth and are Phthalate free.</p> <p>G6.3.1 & 6.3.2 Forbo Allura Puzzle achieves a FIIC score above 55. However, test results like this are an indication only, and a field test with the subfloor and ceiling assembly needs to be performed to ensure the IIC value of 55 is reached for each individual project application.</p>
<p>Warnings & Bans</p>	<p>This product is not subject to any warnings or bans under section 26 of the Building Act 2004</p>

Supporting Documentation

For all specification, installation, care & maintenance, warranty, tests reports and other supporting documentation, refer to www.inzide.co.nz

Contact Details

Product Manufacturer

Forbo Flooring Systems

www.forbo.com

Manufacturing sites:

Assendelft, The Netherlands

Coevorden, The Netherlands

Giubiasco, Switzerland

Kirkcaldy, Scotland

Reims, France

Krommenie, The Netherlands

Bamber Bridge, United Kingdom

Ripley, United Kingdom

Telford, United Kingdom

New Zealand Supplier

Inzide Commercial Ltd.

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NZBN: 714832

Responsible Person

In accordance with regulation 8, as the responsible person, 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.



Signed for and on the behalf of Inzide Commercial Ltd and Forbo Inc.

Steve Aschebrock

Managing Director,

Inzide Commercial Ltd.

8/12/2023