INZIDE
sustainable flooring solutions

Product Information Declaration

Forbo
FLOORING SYSTEMS

Sphera Vinyl

Document Version	V1 - December 2023
Product Class	Class 1
Category	Flooring
Product Type	Homogeneous Vinyl Sheet
Manufacturer	Forbo Holdings Ltd.
Product	Sphera Vinyl
Ranges	Various options available, see www.forbo.com for options
Identifier	Essence, Element, Energetic, Elite, Elite b+
Format/s	Thickness: 2mm | Rolls 2mx 25 m
Materials	PVC binder, mixed with calcium carbonate
Area of use	Residential and Commercial Interior floors, in dry and wet areas including areas of "watersplash" under E3 installation requirements. Heavy Duty Domestic Use - Class 23, Commercial Very Heavy Duty Use - class 34 and Industrial Use - Class 43.

Conditions of use

Forbo Sphera Vinyl 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 Sphera Vinyl Installation Guide. Forbo Sphera Vinyl is to be installed using a permanent vinyl adhesive (i.e. F54 or Ke2000s).

Use material from the same batch/dye lot and install in roll number sequence. The use of different production batches will always result in visible shade differences. The batch number is clearly marked on the material packaging and must be checked before commencement of installation.

If using Forbo Sphera Vinyl on stairs, stairs must have the appropriate stair nosing applied.

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 Sphera Vinyl against excessive soiling from outside contaminants.

New Zealand Building Code Compliance

<table>
<tr><th>Section of Code</th><th>Product Compliance</th></tr>
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B2 Durability

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.

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Forbo Sphera Vinyl has a standard product warranty of 15 years and is produced in accordance with ISO9001:2015 Quality Management Systems and ISO14001:2015 Environmental Management Systems, requirements.
Refer to the Forbo 15-year Standard Product Warranty, Installation, and Care & Maintenance documentation for further information.

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C3 Surface Linings

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.

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/m²	2.2 kW/m²
Exitways in all other buildings	2.2 kW/m²	2.2 kW/m²
Firecells accommodating more than 50 persons	2.2 kW/m²	1.2 kW/m²
All other occupied spaces except household units	1.2 kW/m²	1.2 kW/m²

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All Forbo Sphera Vinyl's maintain valid test reports showing Critical Radiant Flux (CRF) value over 4.5kW/m2 meeting all levels of C3 requirements.

Special attention should be given when specifying this product on walls as it achieves a Group 3 rating for this type of application.
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D1 Access Routes

D1.3.3 Access routes shall: (d) have adequate slip-resistant walking surfaces under all conditions of normal use.

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Sphera Vinyl is an acceptable solution for dry and wet level areas with a valid test report showing a Slip Resistance Value of 42.
Refer to the Sphera Vinyl Slip Report for further information.

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Section of Code	Product Compliance
E3 Internal Moisture E3.3.3 Floor surfaces of any space containing sanitary fixtures or sanitary appliances must be impervious and easily cleaned. 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. 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.	Sphera Vinyl is easy to clean. It is impervious and water resistant. Refer to the Sphera Vinyl Cleaning and Maintenance Guide and Sphera Vinyl Installation Guide for more information.
F2 Hazardous Building Materials 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.	No components within Forbo Sphera Vinyl are considered Hazardous. Refer to the Forbo Sphera Vinyl Material Safety Data Sheet and VOC Report documents for further information.
G3 Food preparation and prevention of contamination 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 . **G6 Airborne and impact sound** G6.3.1 The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55. G6.3.2 The Impact Insulation Class of floors shall be no less than 55.	G3.3.2 Forbo Sphera Vinyl inhibits the growth of bacteria, is allergy friendly, has low emissions, and is phthalate free. G6.3.1 & 6.3.2 For IIC 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.
Warnings & Bans	This product is not subject to any warnings or bans under section 26 of the Building Act 2004

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.
Level 2, 34 Barry's Point Road
Takapuna, 0632
0800 800 656
www.inzide.co.nz
sales@inzide.co.nz

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