

Product Information Declaration



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
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

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 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.</p> <p>Refer to the Forbo 15-year Standard Product Warranty, Installation, and 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="79 1048 782 1865"> <thead> <tr> <th data-bbox="79 1048 327 1243">Area</th> <th data-bbox="327 1048 558 1243">Buildings not protected with an automatic fire sprinkler system</th> <th data-bbox="558 1048 782 1243">Buildings protected with an automatic fire sprinkler system</th> </tr> </thead> <tbody> <tr> <td data-bbox="79 1243 327 1438">Sleeping areas and exitways in buildings where care or detention is provided</td> <td data-bbox="327 1243 558 1438">4.5 kW/m²</td> <td data-bbox="558 1243 782 1438">2.2 kW/m²</td> </tr> <tr> <td data-bbox="79 1438 327 1543">Exitways in all other buildings</td> <td data-bbox="327 1438 558 1543">2.2 kW/m²</td> <td data-bbox="558 1438 782 1543">2.2 kW/m²</td> </tr> <tr> <td data-bbox="79 1543 327 1709">Firecells accommodating more than 50 persons</td> <td data-bbox="327 1543 558 1709">2.2 kW/m²</td> <td data-bbox="558 1543 782 1709">1.2 kW/m²</td> </tr> <tr> <td data-bbox="79 1709 327 1865">All other occupied spaces except household units</td> <td data-bbox="327 1709 558 1865">1.2 kW/m²</td> <td data-bbox="558 1709 782 1865">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>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.</p> <p>Special attention should be given when specifying this product on walls as it achieves a Group 3 rating for this type of application.</p>
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>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>Sphera Vinyl is an acceptable solution for dry and wet level areas with a valid test report showing a Slip Resistance Value of 42.</p> <p>Refer to the Sphera Vinyl Slip Report for further information.</p>															

Section of Code	Product Compliance
<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>Sphera Vinyl is easy to clean. It is impervious and water resistant.</p> <p>Refer to the Sphera Vinyl Cleaning and Maintenance Guide and Sphera Vinyl Installation Guide for more information.</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 Sphera Vinyl are considered Hazardous.</p> <p>Refer to the Forbo Sphera Vinyl 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 Sphera Vinyl inhibits the growth of bacteria, is allergy friendly, has low emissions, and is phthalate free.</p> <p>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.</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.

Level 2, 34 Barry's Point Road

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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