



## sphera<sup>®</sup> element

*Innovative, premium homogeneous vinyl*

Sphera is Forbo's new premium, homogeneous vinyl collection. Styled by our European design team and using the latest production technology in an advanced purpose-built manufacturing plant, Sphera comprises three distinct ranges, Element, Energetic and Evolution. Each range offers differentiated aesthetics to ensure that Sphera adds interest and style to floor designs across a broad range of applications.

Sphera Element offers a fresh, light and contemporary colour palette which adds a sophistication to floor design. The collection includes warm and cool neutrals which complement interior finishes such as wood and stone along with pastels and bright accent colours for areas requiring way-finding or zoning.



Forbo Sphera has very low emissions of <math><10\mu\text{g}/\text{m}^2</math> after 28 days, is phthalate free and also offers colourways with high Light Reflectance Values ensuring that it can contribute to a healthy indoor environment. Its SMART-top surface treatment resists stains and is easy to clean ensuring safe and hygienic floors.

The Forbo Sphera collection is setting new standards in homogeneous vinyl due to its design, technology and performance. Forbo's brand new purpose built manufacturing plant means that all the latest insights and technology have been used to create 'smart' and innovative solutions resulting in a premium collection.

### DESIGN COLOUR

- In-house design and colour development ensures the palette complements a broad range of commercial spaces
- A harmonious new technology delivers bright and saturated hues, resulting in striking colours and tones, many with high light reflection values
- A harmonious and balanced palette of 62 colours that coordinates well with Sphera's additional ranges, Energetic and Evolution, as well as with Forbo's extended portfolio of vinyl, Marmoleum and textile floor coverings

### TECHNOLOGY SUSTAINABILITY

- State of the art steel-belt press and thermofix technology ensures consistent quality
- Green energy and zero waste technology ensures efficient and sustainable manufacturing
- Low emissions & phthalate free manufacturing ensures Sphera can contribute to a healthy indoor environment
- SA800 certified production facility ensures labour rights are met
- ISO 14001:2004 certified production

### PERFORMANCE DURABILITY

- SMART-top UV cross-linked PUR finish ensures Sphera has a high resistance to chemicals, scratches and stains
- Unique matt embossing after PUR process for superior performance appearance and durability
- Achieves highest abrasion wear rating group T tested to EN660-2 and Type 1 binder for highest quality
- Achieves slip rating of R10 - P3 (AS 4586:2013)
- Easy to install and dimensionally stable. No sealing or polishing.

Forbo's Sphera homogeneous vinyl is leading the product category by design, technology and performance.



50008 | silver grey 50044 | turquoise



50046 | teal

## sphera<sup>®</sup> element

*Versatile and colourful*

Sphera homogeneous vinyl floor coverings adds character and style to floors across numerous applications. Whether in demanding, hygienic healthcare environments, in flexible, multi-purpose modern public buildings or in education facilities and offices where durability and colour are key, Sphera will never disappoint.

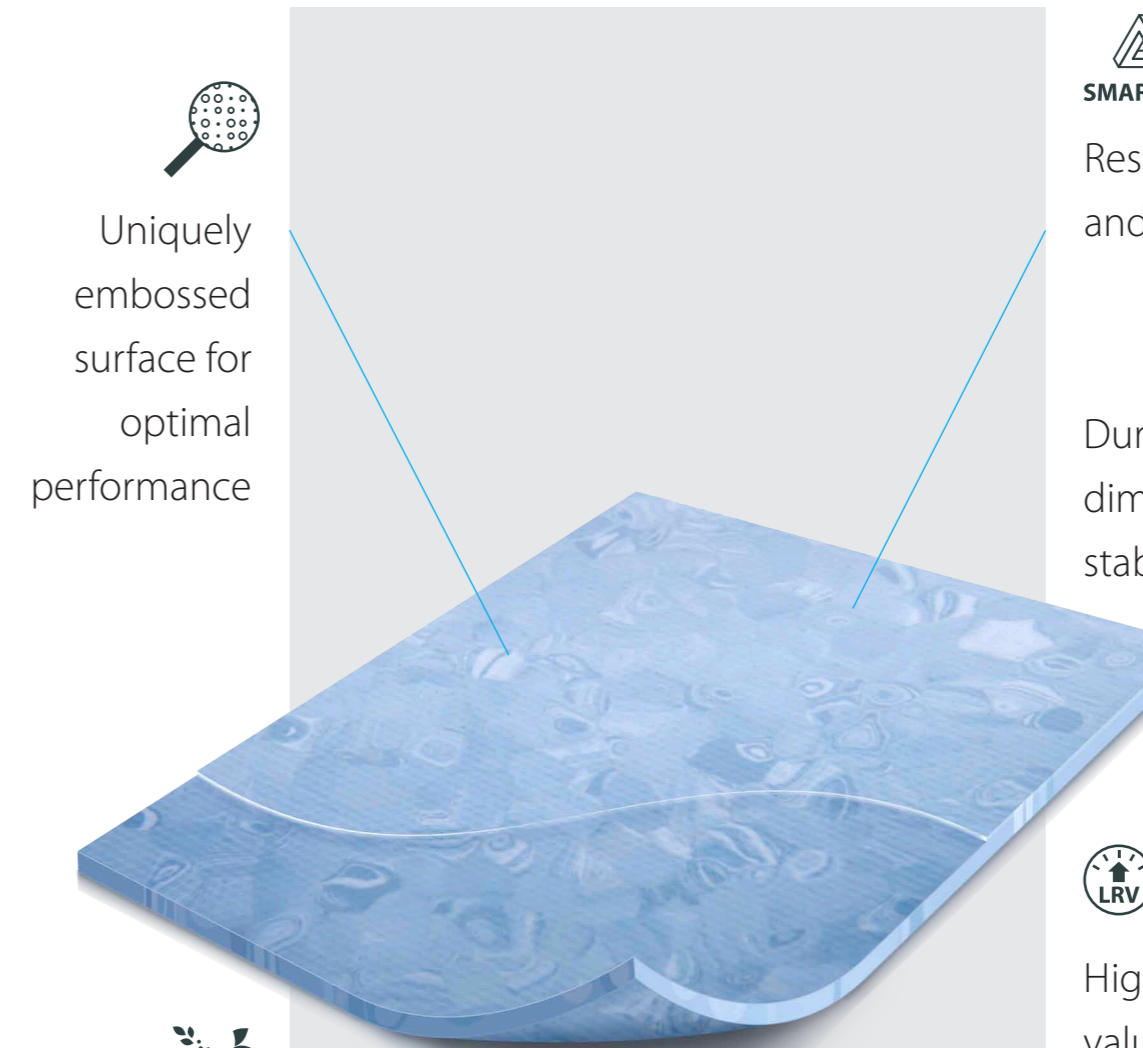
*Find further inspiration in our additional Sphera collections – Sphera Energetic and Sphera Evolution. Mix and Match across the collections to suit your personal taste. Sphera is low emitting and 100% phthalate free, helping you to create a healthy indoor environment.*



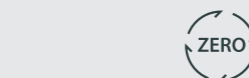
*A new era of premium homogeneous vinyl floor covering*

50045 | jade

## Forbo's homogeneous flooring **technology**



Low emitting and 100% phthalate free



Produced in a zero waste environment



SMART top  
Resists stains and scratches



High LRV values and bright, saturated hues

### Technical specifications

Sphera element meets the requirements of EN-ISO 10581

Binder content	EN-ISO 10581	type 1; binder > 55%
Total thickness	EN-ISO 24346	2.0 mm
Surface finish		SMART top
Collection size		62
Commercial use	EN-ISO 10874	34 very heavy
Industrial use	EN-ISO 10874	43 heavy
Roll width	EN-ISO 24341	2 m
Roll length	EN-ISO 24341	≤ 25 m
Total weight	EN-ISO 23997	2.9 kg/m <sup>2</sup>
Dimensional stability	EN-ISO 23999	≤ 0.2 %
Residual indentation Typical value	EN-ISO 24343-1	≤ 0.10 mm - 0.03 mm
Abrasion resistance	EN 660-2	group T
Castor chair continuous use	ISO 4918 / EN 425	pass
Light fastness	ISO 105-B02	≥ 6
Flexibility	EN-ISO 24344	Ø 10 mm
Resistance to chemicals	EN-ISO 26987	very good
Slip resistance	AS 4586:2013	R10 - P3
Wetroom application		yes
Application on underfloor heating		yes
TVOC after 28 days	ISO 16000-6	≤ 10 µg/m <sup>3</sup>

Sphera element meets the requirements of EN 14041

Reaction to fire	AS 9239-1	CRF >8kw/m <sup>2</sup> Smoke Dv1p <750% min
Bacteria resistance	EN 846	Does not support growth
Body voltage	EN 1815	≤ 2 kV
Thermal conductivity	EN 12524	0.25 W/m-K

All Forbo Flooring Systems' sales organisations worldwide have a certified Quality Management System in accordance with ISO 9001. All Forbo Flooring Systems' manufacturing operations have a certified Environmental Management System in accordance with ISO 14001. The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental Product Declarations (EPDs) which can be found on all of our websites.

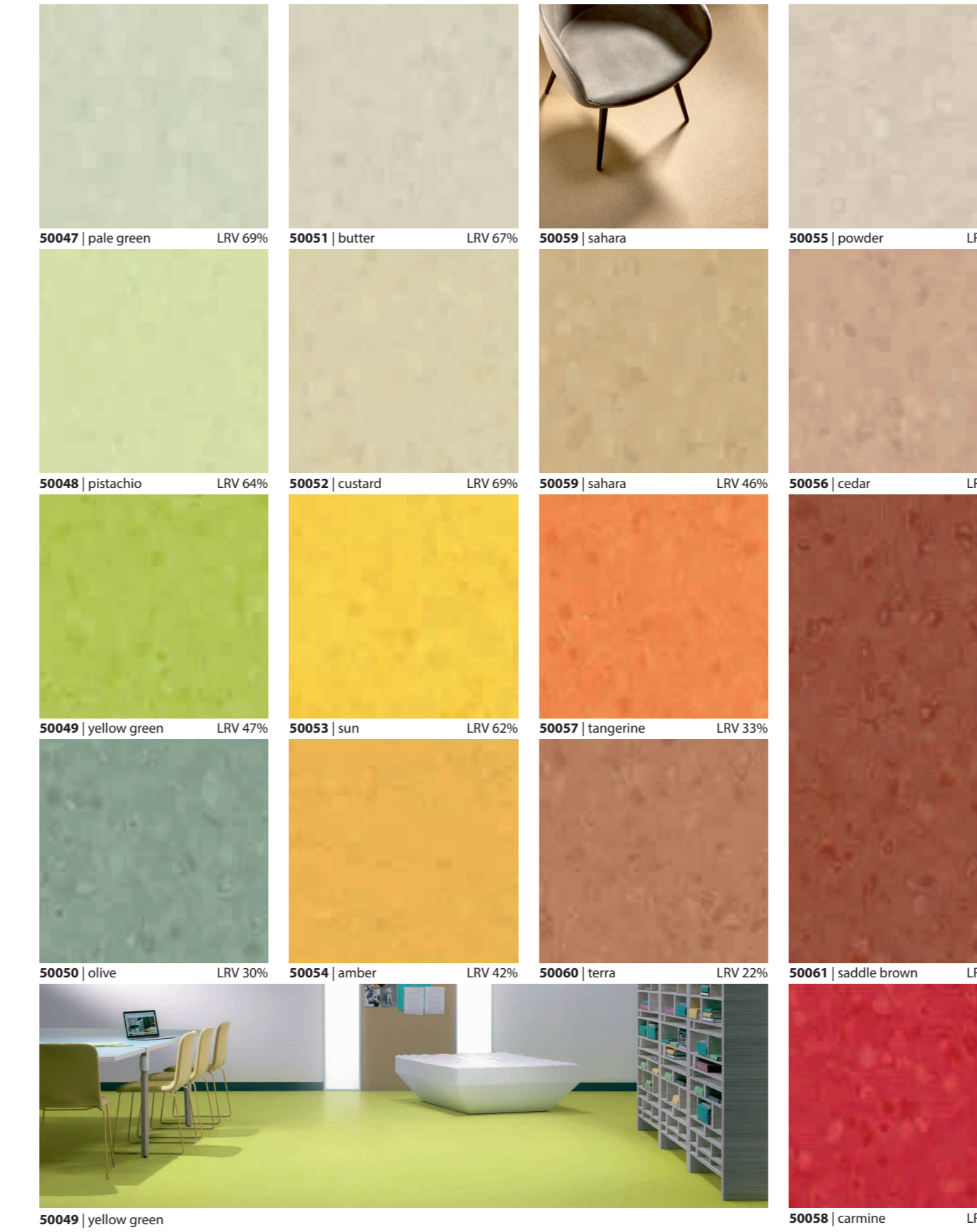
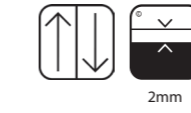
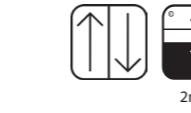
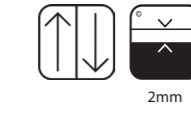


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creating better environments



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homogeneous vinyl

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