



## sphera<sup>®</sup> energetic

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 Energetic has the thrilling sensation of crossing design boundaries, making homogeneous vinyl look different. Energetic offers an intricate pallet of semi plain and larger particle-mix colours that are made up from the semi plain colour base. Transparent granules provide for depth and dirt hiding properties. Energetic is created for modern spaces in contemporary as well as classic applications.



Forbo Sphera has very low emissions of <math><100\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
- 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 52 colours that coordinates well with Sphera's additional ranges, Element 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
- SA8000 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
- Inline coating and subsequent embossing delivers superior 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 through design, technology and performance.



## sphera<sup>®</sup> energetic

Versatile and colourful

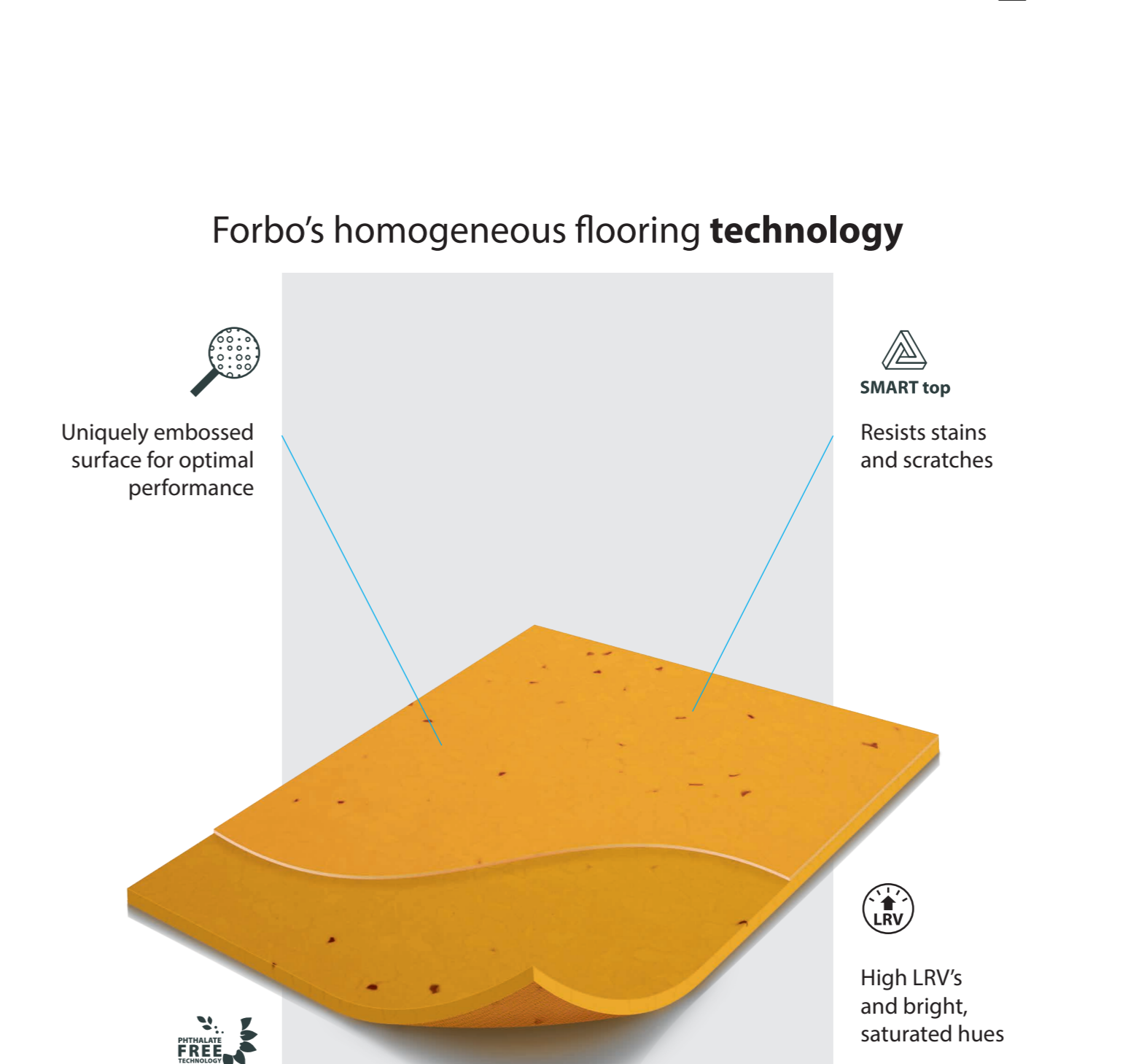
Sphera homogeneous vinyl floor coverings add character and style to floors across numerous applications. Whether in demanding, hygienic healthcare environments, in flexible, multi-purpose modern public buildings or in education facilities and offices where durability and colour are key, Sphera will never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

Find further inspiration in our additional Sphera collections – Sphera Element 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

51200 | vivid snow



## Forbo's homogeneous flooring technology

Uniquely embossed surface for optimal performance



Resists stains and scratches



High LRV's and bright, saturated hues



Low emitting and 100% phthalate free



Produced in a zero waste environment

PHthalate FREE  
COMMITTED TO THE HEALTH OF ONE  
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Technical specifications  
Sphera energetic meets the requirements of EN-ISO 10581

Binder content	EN-ISO 10581	type 1
Total thickness	EN-ISO 24346	2.0 mm
Surface finish		SMART top
Collection size		52
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 105-802	≥ 7
Flexibility	EN-ISO 24344	0.10 mm
Resistance to chemicals	EN-ISO 26987	very good
Slip resistance	AS 4586: 2013	R10 - P3
Wetroom application	EN 13553	yes
TVOC after 28 days	ISO 16000-6	≤ 10 µg/m <sup>3</sup>

Sphera energetic meets the requirements of EN 14041

Reaction to fire	AS/ISO 9239-1	CHF > 8kw/m <sup>2</sup> Smoke Dvlp < 750g/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.

Our recommended adhesives for Sphera collection is S40 Eurosafe Special or 640 Eurostar Special. Please contact customer service for more information.

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creating better environments

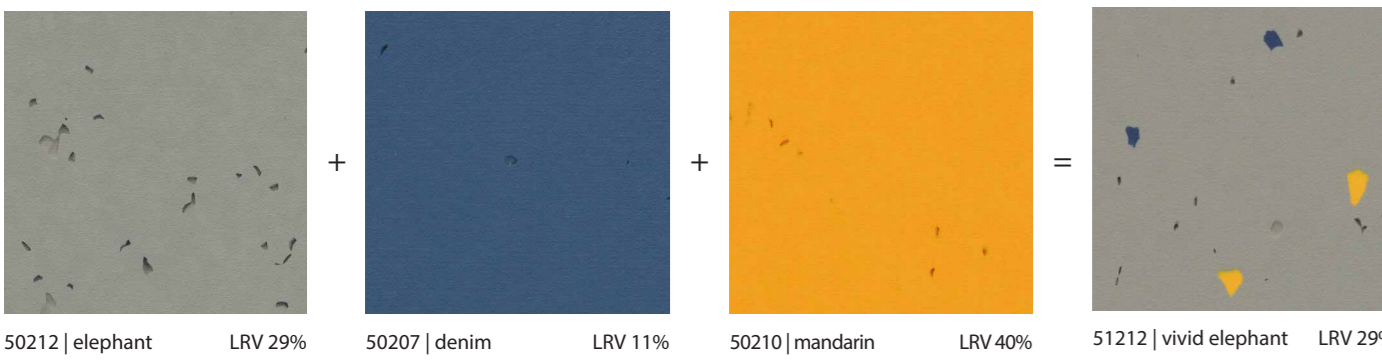





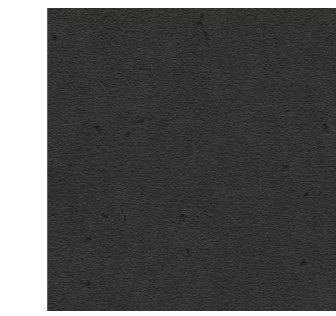
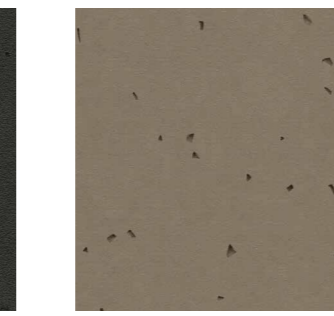
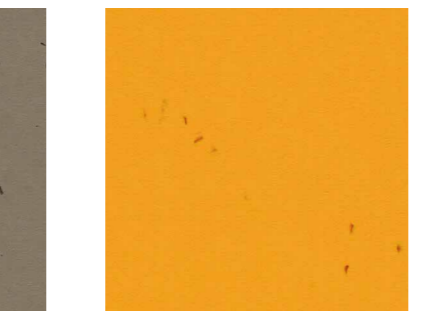
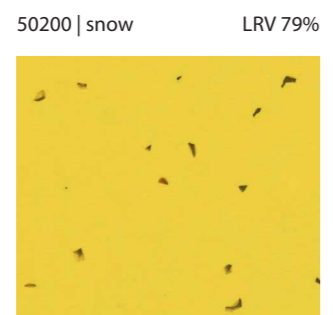
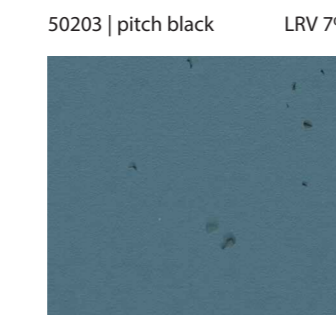
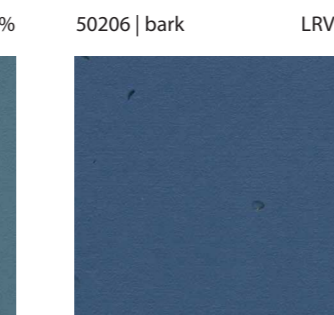
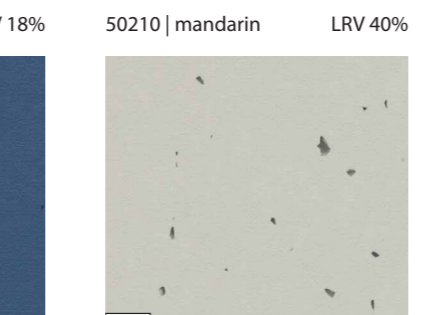
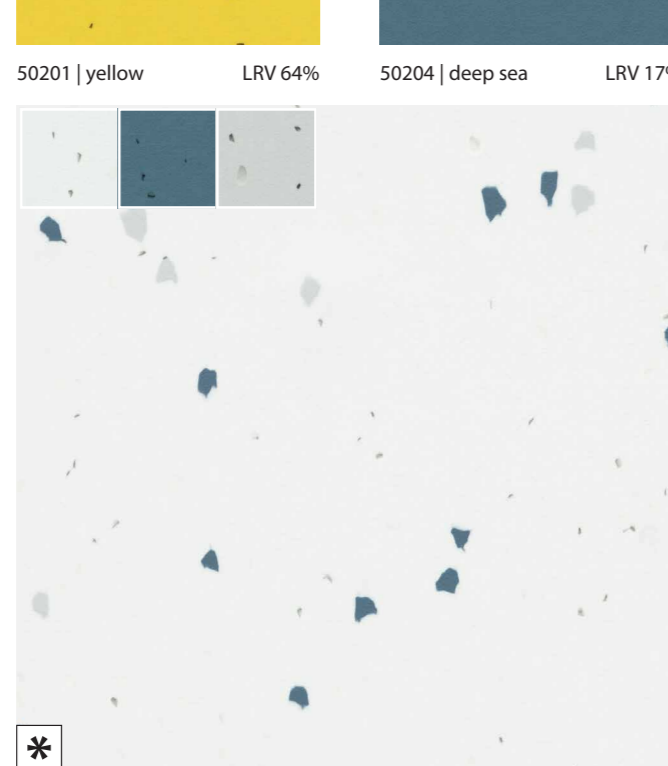
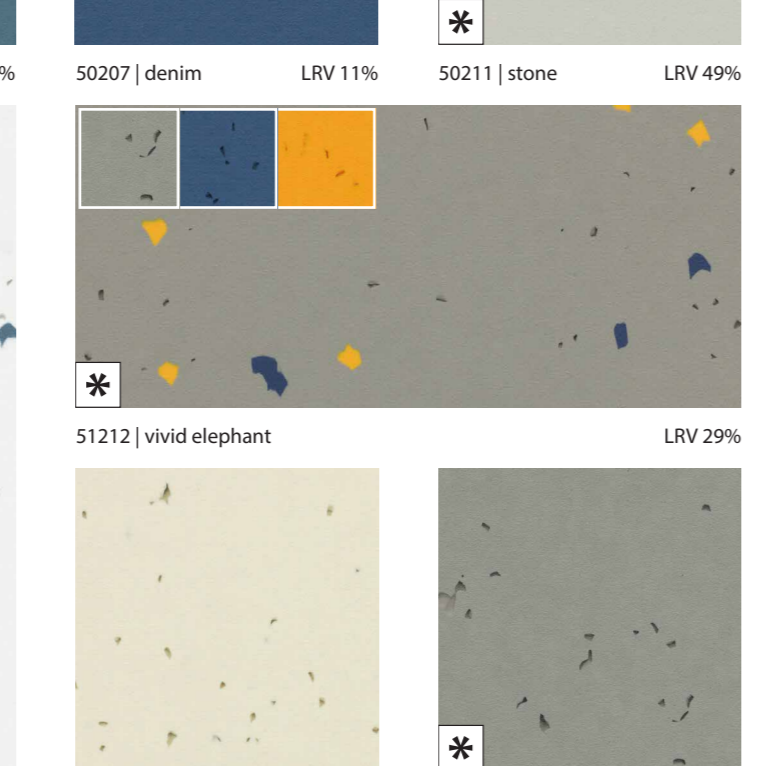
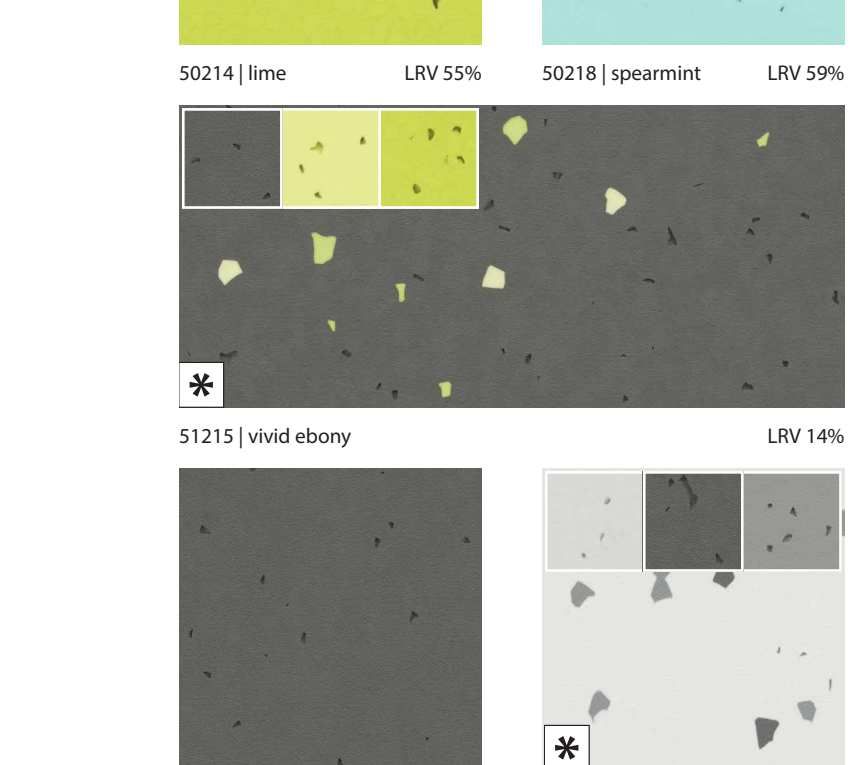
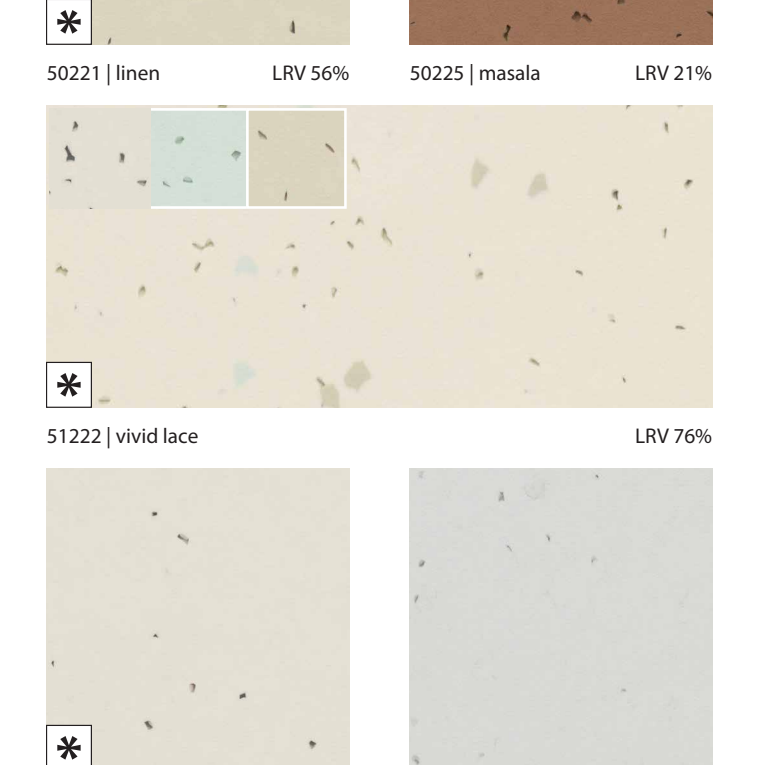
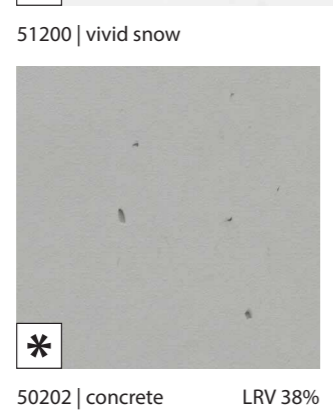
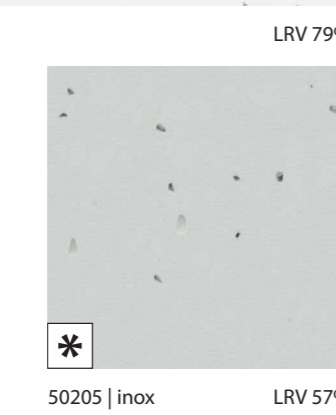

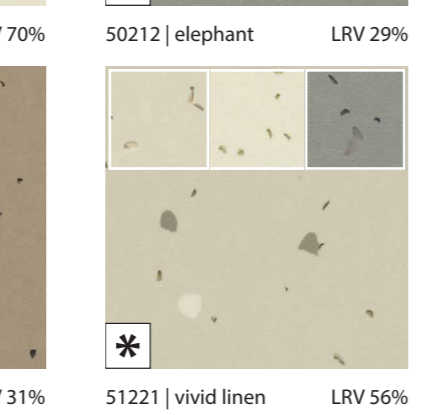




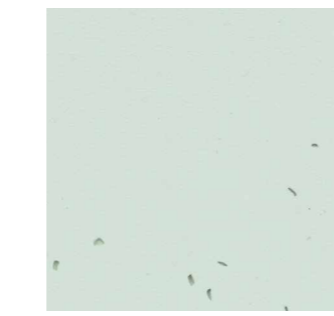
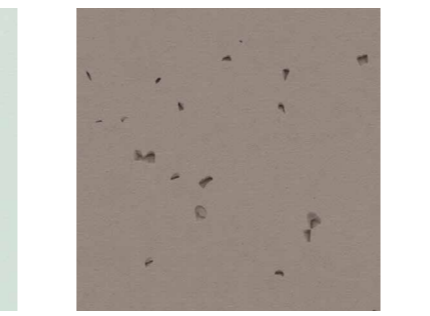
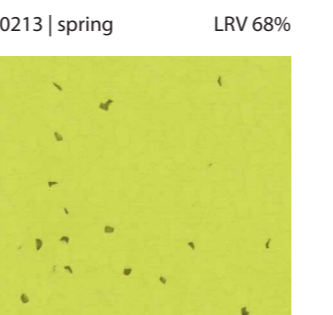

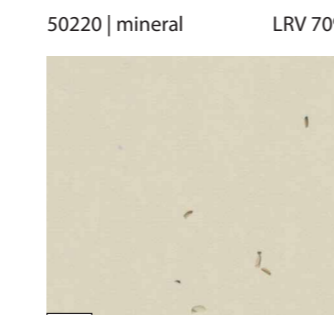
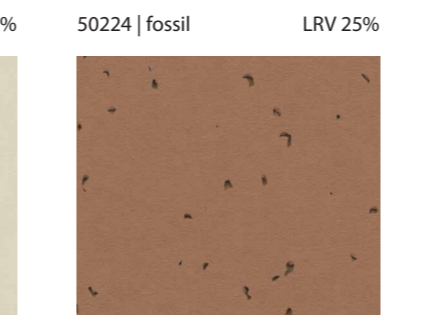
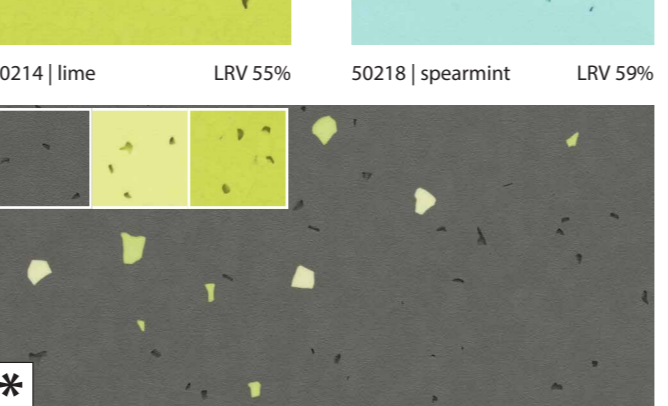
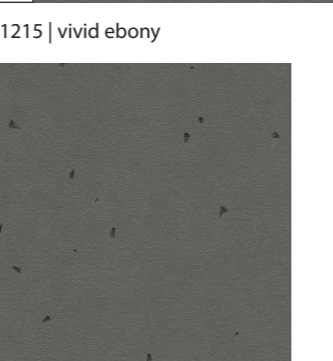
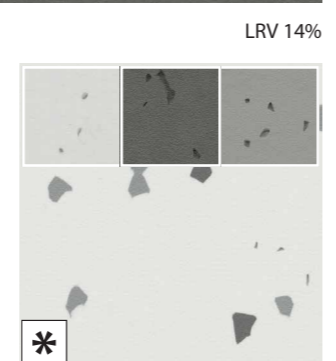




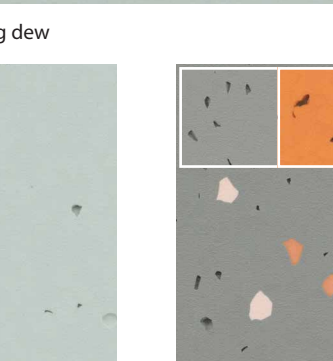
50207 | denim 50210 | mandarin 51212 | vivid elephant

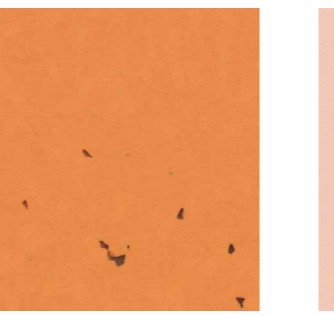
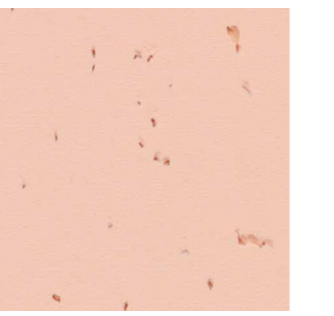

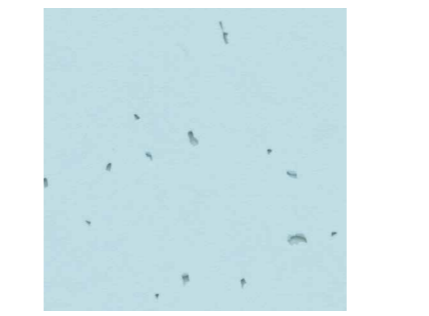
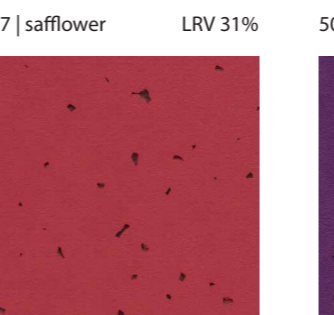
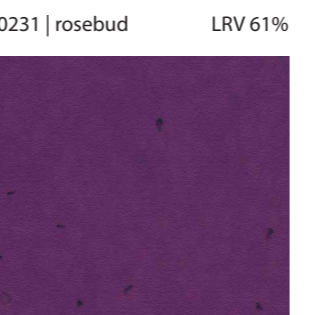
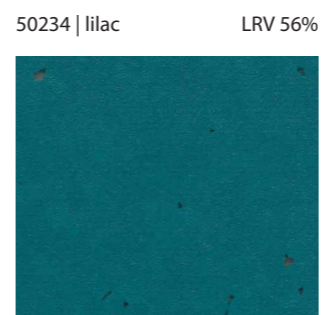
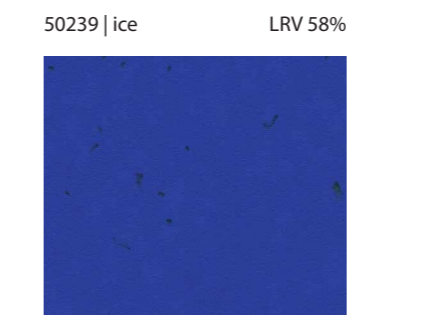
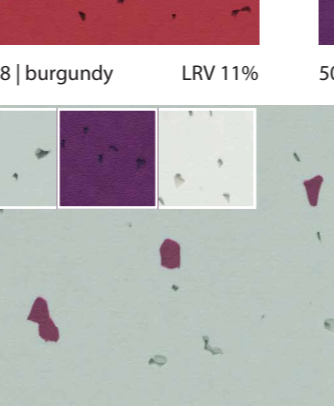
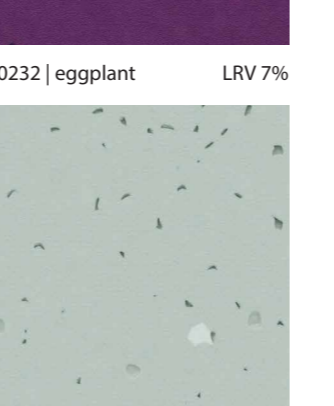


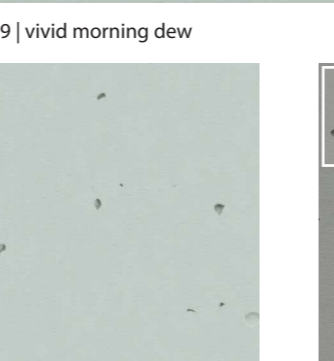



The Sphera Energetic colour palette is bold and contemporary, fresh and colourful. It is playful and designed to combine with corresponding visuals with vivid highlights. The palette contains 41 solid colours and 11 matching colours with vivid accent chips. The 11 colours with accent chips are made with a selection of 3 solid colours, which makes them extremely suitable for mixing and matching.




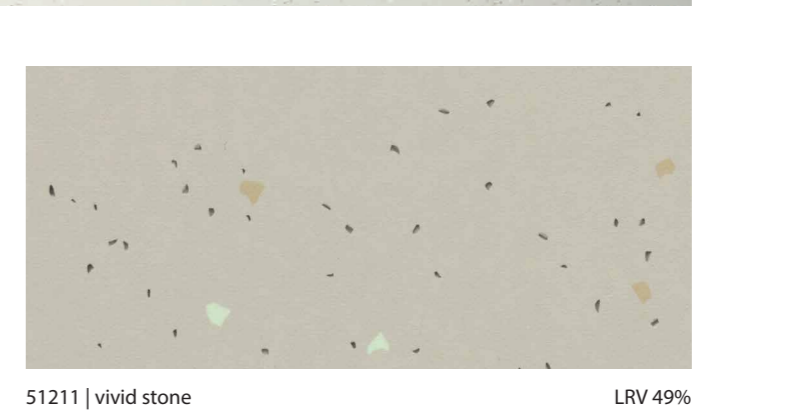
50212 | elephant LRV 29% 50207 | denim LRV 11% 50210 | mandarin LRV 40% 51212 | vivid elephant LRV 29%

			
50200   snow LRV 79%	50203   pitch black LRV 7%	50206   bark LRV 18%	50210   mandarin LRV 40%
			
50201   yellow LRV 64%	50204   deep sea LRV 17%	50207   denim LRV 11%	50211   stone LRV 40%
			
51200   vivid snow LRV 79%	51212   vivid elephant LRV 29%	51215   vivid ebony LRV 14%	51222   vivid lace LRV 76%
			
50202   concrete LRV 38%	50205   inox LRV 57%	50209   nutmeg LRV 31%	51221   vivid linen LRV 56%

			
50213   spring LRV 68%	50217   mystic blue LRV 35%	50220   mineral LRV 70%	50224   fossil LRV 25%
			
50214   lime LRV 55%	50218   spearmint LRV 59%	50221   linen LRV 56%	50225   masala LRV 21%
			
50215   vivid ebony LRV 14%	50216   pigeon LRV 26%	50219   dolphin LRV 24%	50223   frost LRV 46%
			
51226   vivid mirror LRV 67%	50226   mirror LRV 67%	51202   polar LRV 68%	50233   Swedish grey LRV 55%

			
50227   safflower LRV 31%	50231   rosebud LRV 61%	50234   lilac LRV 56%	50239   ice LRV 58%
			
50228   burgundy LRV 11%	50232   eggplant LRV 7%	50235   deep emerald LRV 10%	50240   Yves Klein blue LRV 8%
			
51229   vivid morning dew LRV 52%	51216   vivid pigeon LRV 26%	50236   thyme LRV 30%	50238   seagreen LRV 66%
			
50229   morning dew LRV 52%	50237   mushroom LRV 41%	51211   vivid stone LRV 49%	50238   seagreen LRV 66%

50238 | seagreen 51211 | vivid stone

	
50238   seagreen LRV 66%	51211   vivid stone LRV 49%



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homogeneous vinyl

creating better environments