



Homogeneous Vinyl

**sphera<sup>®</sup>** energetic



27 x 2 m

creating better environments

**forbo**

FLOORING SYSTEMS





# sphera<sup>®</sup> energetic

**FRESH. ENERGISING. INNOVATIVE.**

## *Ready for any challenge*

This exciting range brings a new dynamic to homogeneous sheet vinyl flooring. This second generation of Sphera Energetic has been designed and developed for numerous applications where ability to withstand heavy traffic and design elements are key. Whether in demanding, hygienic healthcare environments, in flexible multi-purpose modern public buildings or in education facilities and offices, Sphera Energetic offers a durable and innovative solution. The SMART-top surface protection provides excellent stain and scratch resistant properties with superior appearance retention, ensuring the floor looks and performs good for years to come.

## *Innovative, premium homogeneous vinyl*

Sphera, Forbo's premium, homogeneous sheet vinyl collection, offers a completely balanced and coordinated collection which allows colours and designs to be easily combined to create a fresh and playful interior. The collection is available in vibrant and contemporary hues, offering a wide range of design solutions to fit any commercial requirements. All Sphera collections have been developed by our in-house European design team using the latest production technology.

## *Creating better environments*

The Sphera production process aims to avoid any unnecessary waste and minimise energy and raw material use. Any waste that may be produced from Sphera's premium homogeneous sheet vinyl is reused in Forbo's other premium products. Sphera is phthalate free and produced with 100% green energy, with minimal impact on the environment.

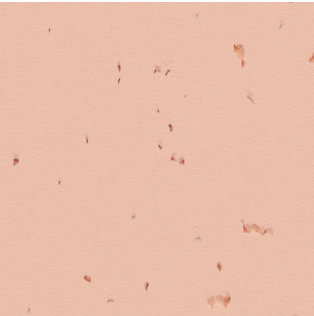








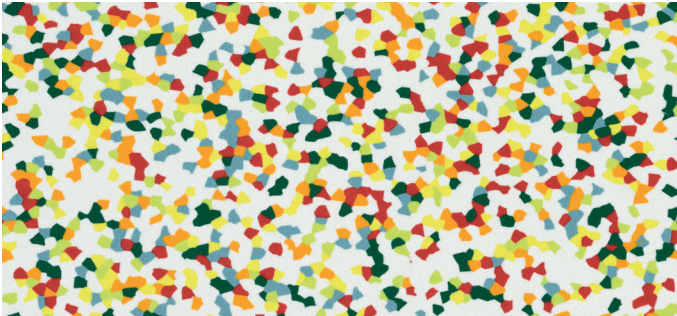
50201 | yellow - 50239 | ice - 50241 | madder red - 53200 | confetti snow



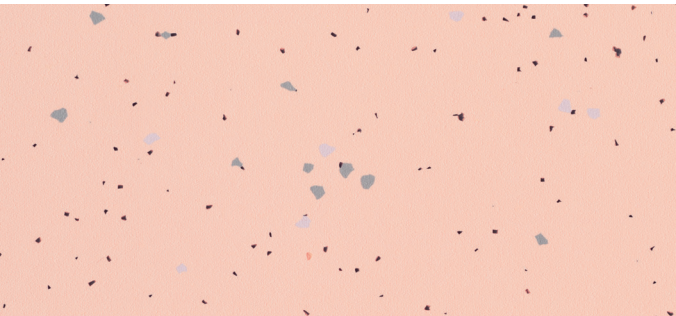
50231 | rosebud LRV 61



50241 | madder red LRV 16



53200 | confetti snow LRV 65



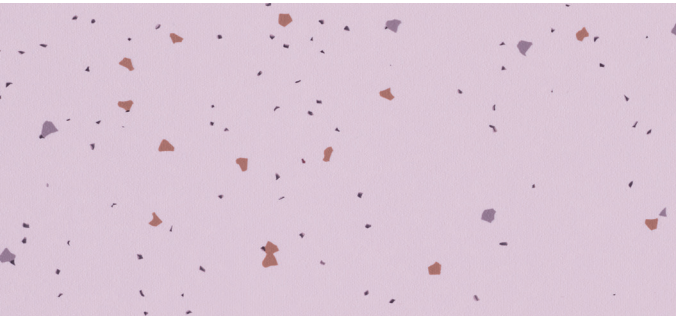
51231 | vivid rosebud LRV 61



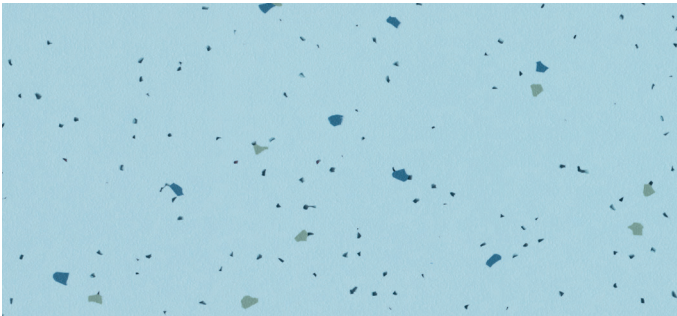
50201 | yellow LRV 64



50214 | lime LRV 55



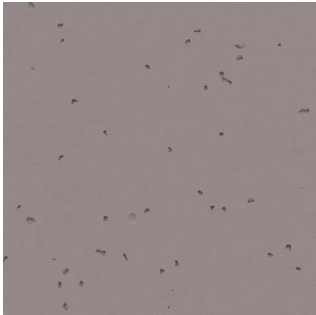
51234 | vivid lilac LRV 56



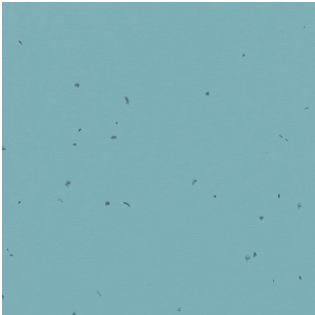
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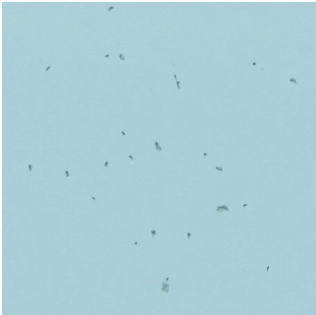
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50219 | dolphin LRV 24

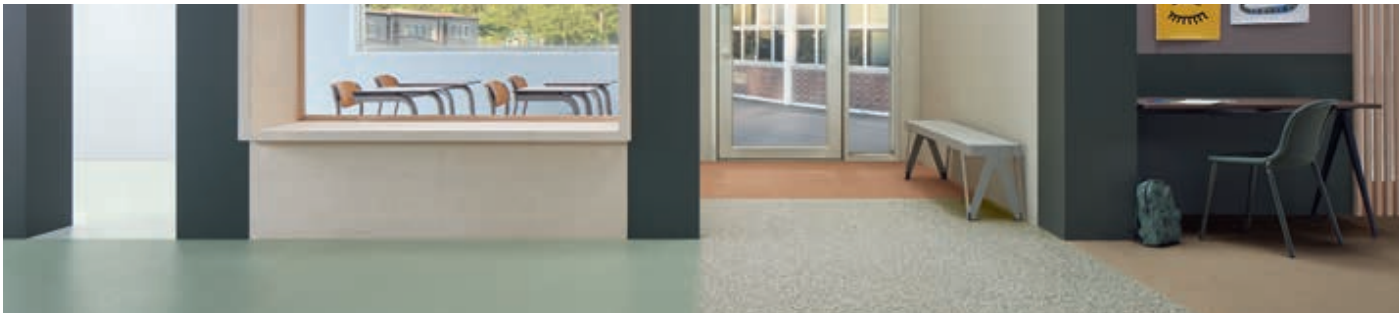


50217 | mystic blue LRV 35

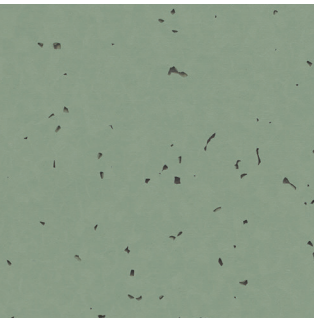


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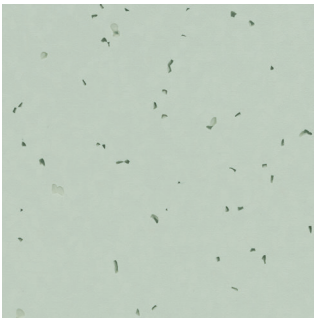




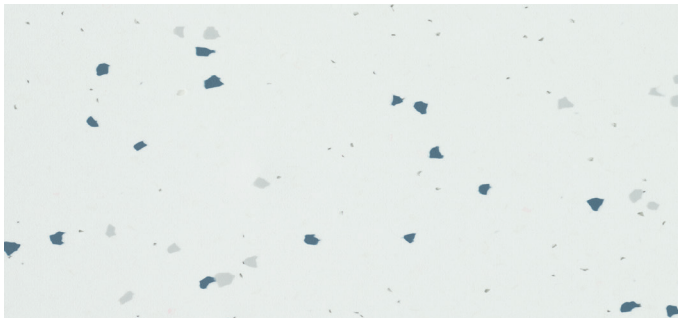
50236 | thyme - 53202 | confetti concrete - 50209 | nutmeg - 5754 | coral straw brown



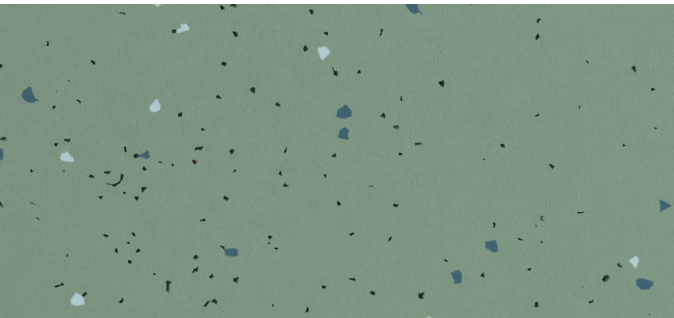
50236 | thyme LRV 30



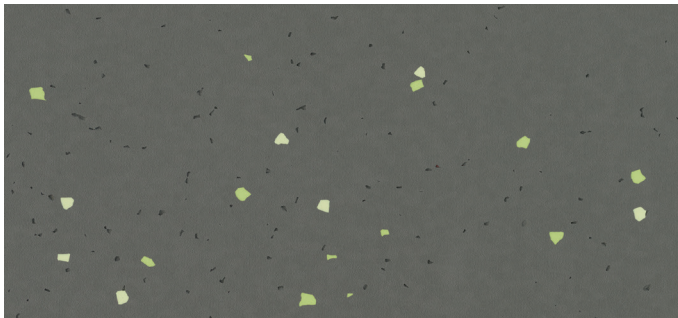
50233 | Swedish grey LRV 55



51243 | vivid snow LRV 79



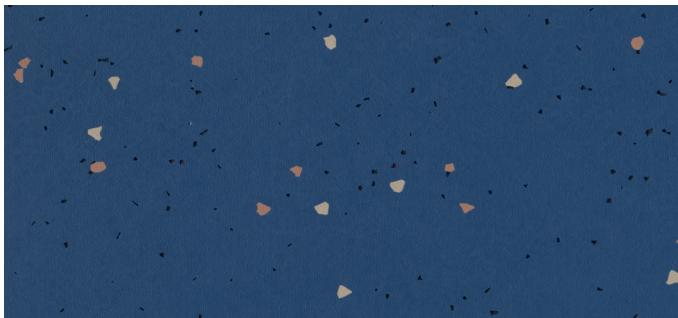
51245 | vivid thyme LRV 30



51244 | vivid ebony LRV 14



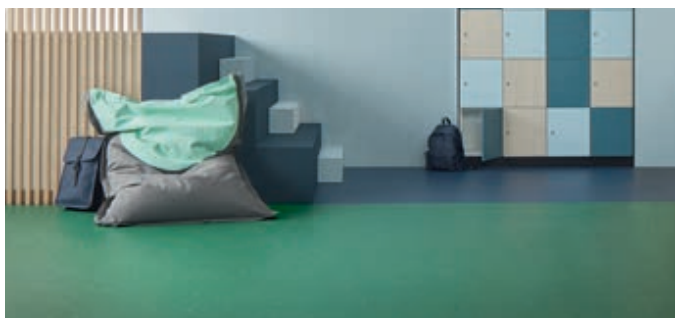
51242 | vivid malachite LRV 14



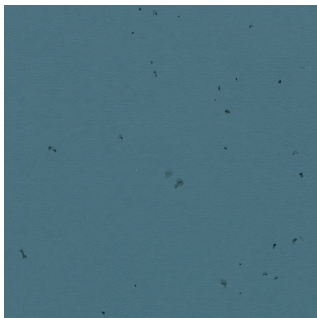
51207 | vivid denim LRV 11



50242 | malachite LRV 14

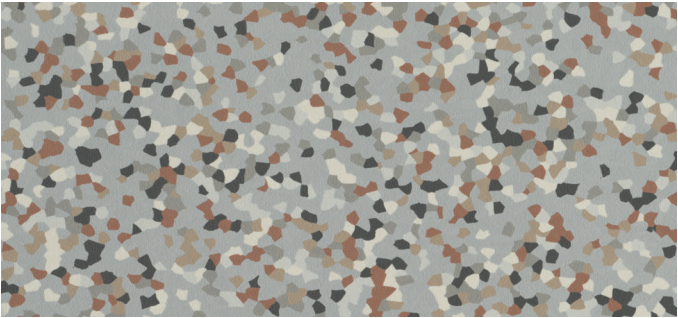


51242 | vivid malachite - 51207 | vivid denim

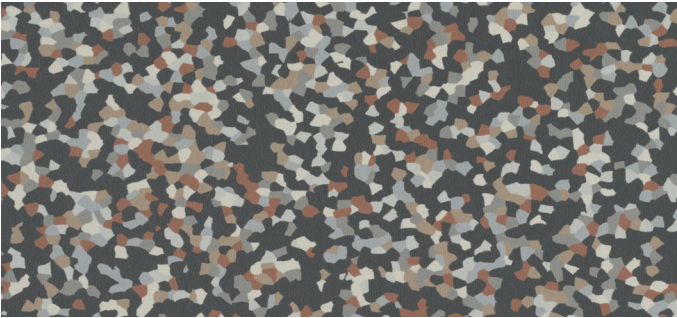


50204 | deep sea LRV 17

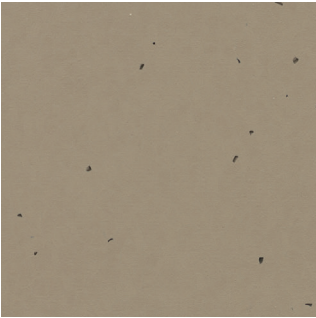




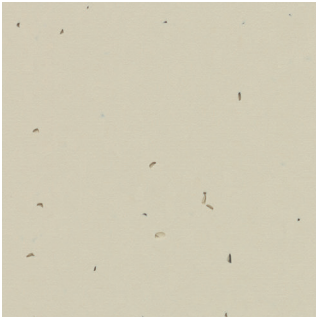
53202 | confetti concrete LRV 33



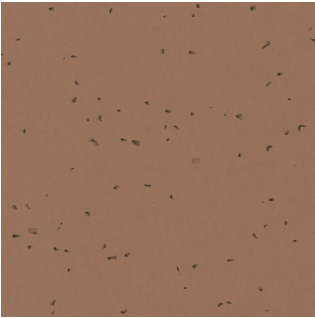
53215 | confetti ebony LRV 26



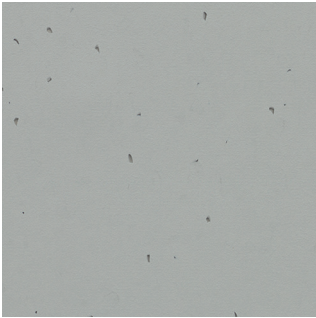
50209 | nutmeg LRV 31



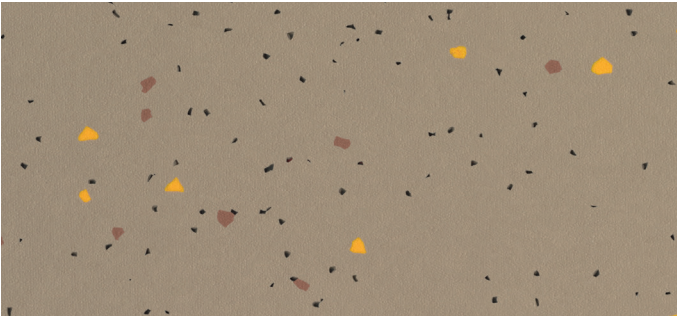
50221 | linen LRV 56



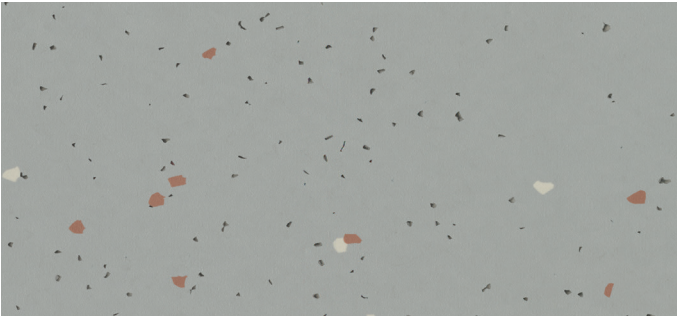
50225 | masala LRV 21



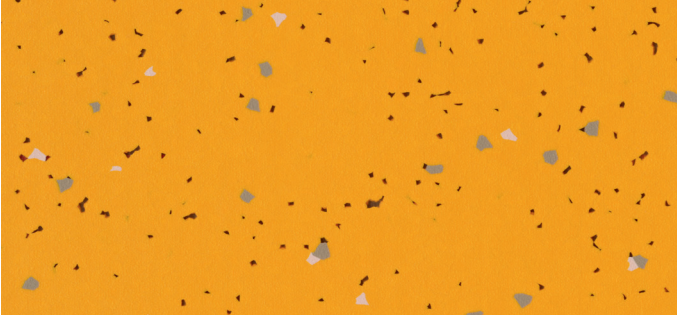
50202 | concrete LRV 38



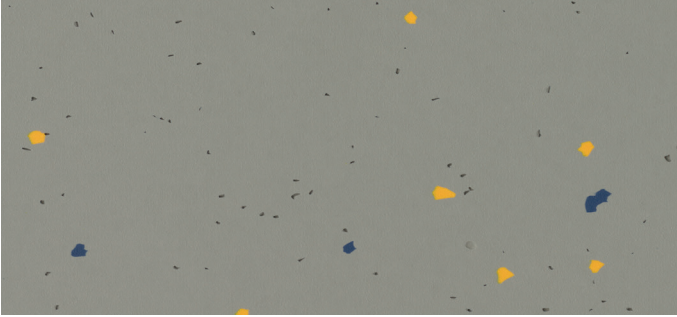
51209 | vivid nutmeg LRV 31



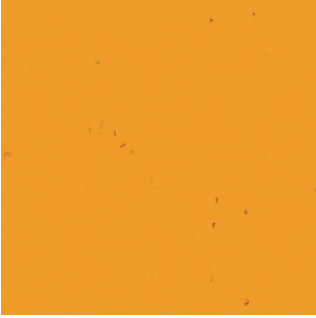
51202 | vivid concrete LRV 38



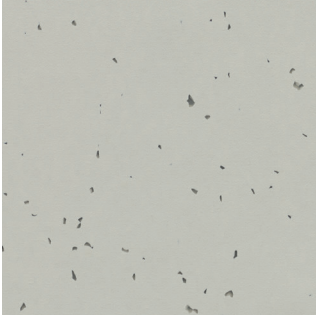
51210 | vivid mandarin LRV 40



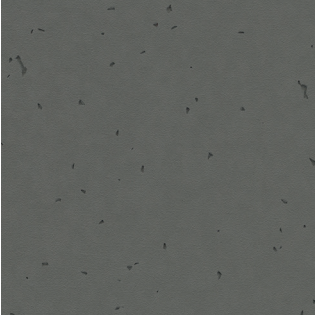
51212 | vivid elephant LRV 29



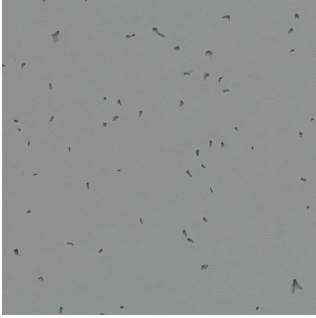
50210 | mandarin LRV 40



50211 | stone LRV 49



50215 | ebony LRV 14

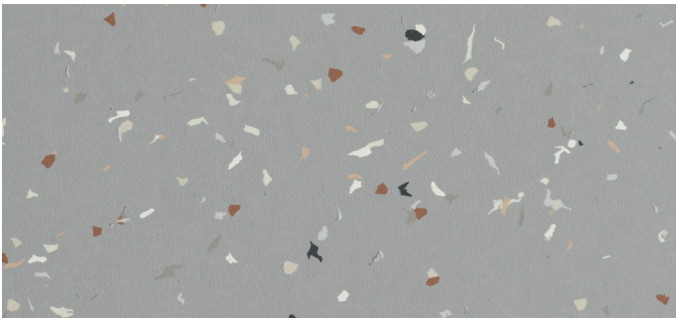


50216 | pigeon LRV 26





52202 | shimmer concrete - 50225 | masala - 50231 | rosebud - 52216 | shimmer pigeon



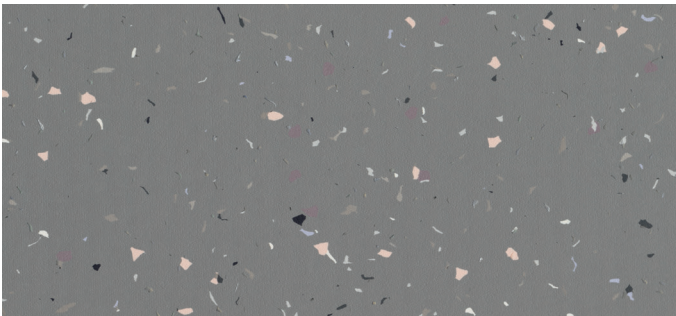
52202 | shimmer concrete

LRV 38



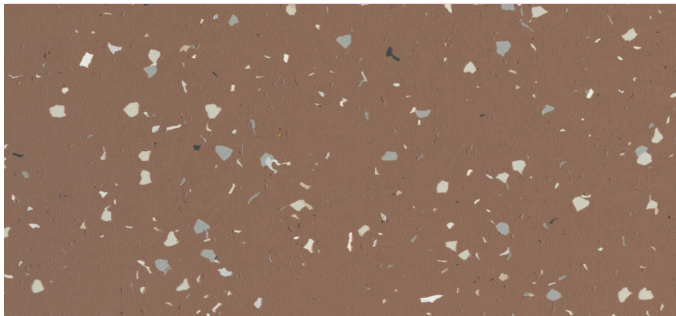
52222 | shimmer lace

LRV 76



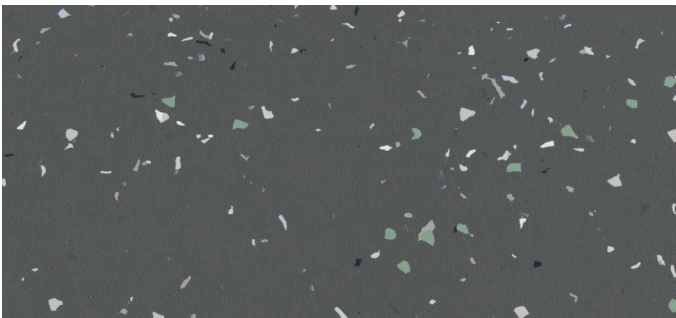
52216 | shimmer pigeon

LRV 26



52225 | shimmer masala

LRV 21

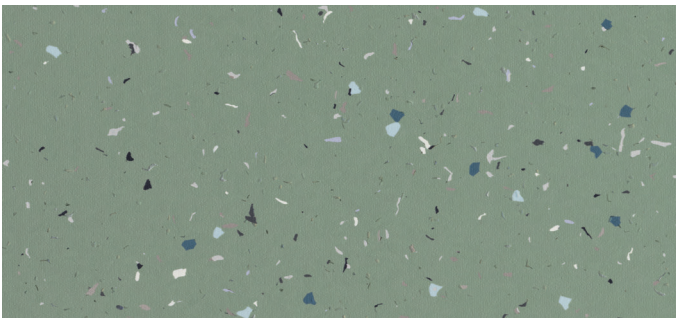


52215 | shimmer ebony

LRV 14



52217 | shimmer mystic blue - 50201 | yellow



52236 | shimmer thyme

LRV 30



52217 | shimmer mystic blue

LRV 35





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



Uniquely embossed  
surface for optimal  
performance



**SMART top**

Resists stains  
and scratches



Low emitting and  
100% phthalate free

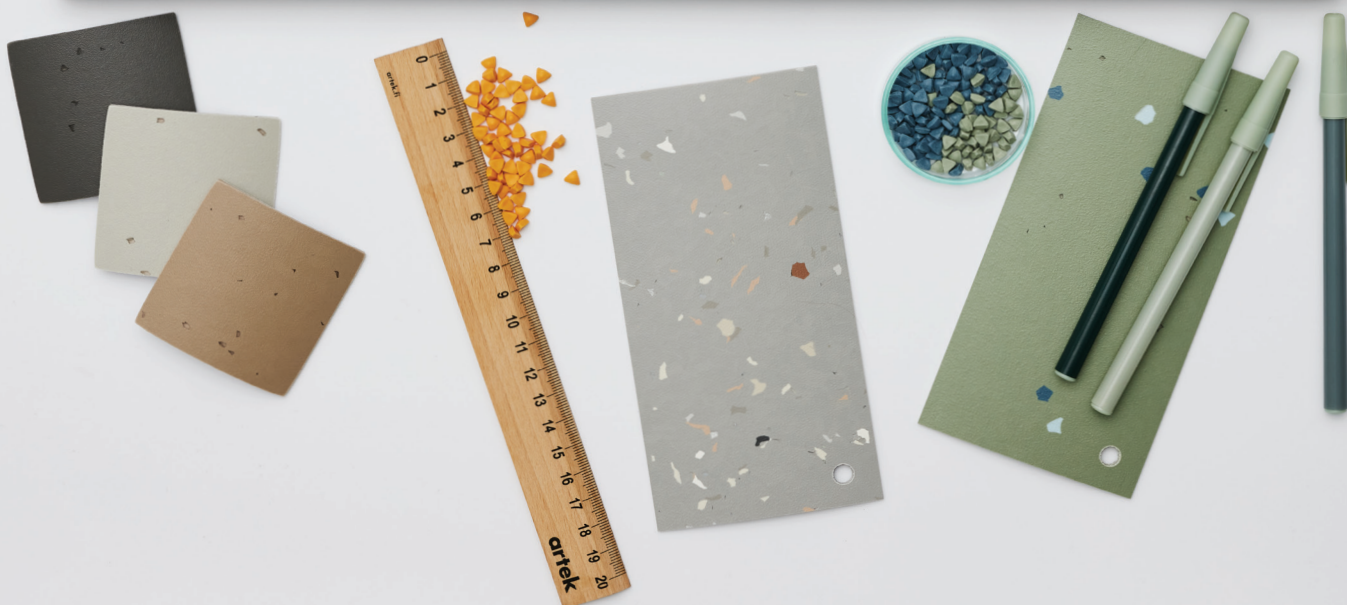


High LRV's  
and bright,  
saturated hues



Produced in a zero waste environment







This collection offers a fresh, playful and innovative solution for any commercial interior.

The premium homogeneous vinyl delivers a combination of vibrant and contemporary colours and designs with excellent durability and performance properties.

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## DESIGN COLOUR

- Unique possibilities to play with proportions and colour combinations.
- High LRV's and and matt aesthetic to enhance the user experience.
- Colour coordinated with other Forbo ranges, such as Eternal and Step.

## PERFORMANCE DURABILITY

- SMART-top finish specifically designed for enhanced cleanability and ability to withstand heavy use.
- Excellent stain resistant surface treatment.
- High quality scratch resistant properties.

## TECHNOLOGY SUSTAINABILITY

- Low emissions & phthalate free manufacturing contribute to a healthy indoor environment.
- Low energy and water use thanks to the efficient state-of-art production process.
- Carefully selected raw materials to offer possibilities for re-use after end of life.























# Technical specifications



Sphera Energetic meets the requirements of EN ISO 10581

|                                                                                     |                                               |                                                                                                                             |                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------|
|    | Total thickness                               | EN ISO 24346                                                                                                                | 2.0 mm                  |
|                                                                                     | Surface finish                                |                                                                                                                             | SMART top               |
|                                                                                     | Binder content                                | EN ISO 10581                                                                                                                | Type 1                  |
|    | Collection size                               |                                                                                                                             | 42                      |
|    | Domestic use                                  | EN ISO 10874                                                                                                                | Class 23                |
|    | Commercial use                                | EN ISO 10874                                                                                                                | Class 34                |
|    | Light industrial use                          | EN ISO 10874                                                                                                                | Class 43                |
|    | Roll width                                    | EN ISO 24341                                                                                                                | 2.0 m                   |
|    | Roll length                                   | EN ISO 24341                                                                                                                | ≤ 27 m                  |
|    | Total weight                                  | EN ISO 23997                                                                                                                | 2850 g/m²               |
|    | Dimensional stability<br><i>Typical value</i> | EN ISO 23999                                                                                                                | ≤ 0.4 %<br>~ 0.2 %      |
|    | Slip resistance (ramp test)                   | DIN 51130                                                                                                                   | R9                      |
|    | Castor chair continuous use                   | ISO 4918                                                                                                                    | Pass                    |
|    | Residual indentation<br><i>Typical value</i>  | EN ISO 24343-1                                                                                                              | ≤ 0.10 mm<br>~ 0.03 mm  |
|    | Colour fastness to light                      | EN ISO 105-B02<br>method 3                                                                                                  | ≥ 7                     |
|    | Indoor air emissions: TVOC after 28 days      | EN 16516                                                                                                                    | ≤ 0.01 mg/m³            |
|    | Resistance to chemicals                       | EN ISO 26987                                                                                                                | Very good               |
|    | Flexibility                                   | EN ISO 24344                                                                                                                | Ø 10 mm                 |
|    | Use in wet areas                              | EN 13553                                                                                                                    | Yes                     |
|   | Bacteria resistance                           | EN 846                                                                                                                      | Does not support growth |
|  | Life Cycle Assessment                         | LCA is the foundation for securing the lowest environmental impact                                                          |                         |
|  | Creating better environments                  |                                                                                                                             |                         |
|  | Renewable electricity                         | Sphera Energetic is manufactured using 100% electricity from renewable sources                                              |                         |
|  | Indoor air quality                            | All products are tested for indoor air emissions in accordance with ISO 16000-9 after 3 days and 28 days.                   |                         |
|  | Back to the Floor                             | Installation off cuts can be collected and recycled via Back to the Floor                                                   |                         |
|                                                                                     | SKA                                           | Sphera Energetic meets SKA Rating criteria for M12 for soft floor coverings in office, retail and higher education schemes. |                         |

Sphera Energetic meets the requirements of EN 14041:2004



|  |                      |            |                          |
|--|----------------------|------------|--------------------------|
|  | Reaction to fire     | EN 13501-1 | B <sub>s</sub> s1, L, CS |
|  | Slip resistance      | EN 13893   | μ ≥ 0.30                 |
|  | Thermal conductivity | EN 12524   | 0.25 W/mK                |
|  | Body voltage         | EN 1815    | ≤ 2.0 kV                 |

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.



**BREEAM ratings**  
Sphera Energetic

|                                |                  |                   |                          |                            |                         |
|--------------------------------|------------------|-------------------|--------------------------|----------------------------|-------------------------|
| <b>Building Type</b><br>Office | <b>Education</b> | <b>Healthcare</b> | <b>Multi Residential</b> | <b>Retail (Durability)</b> | <b>Retail (Fashion)</b> |
| A                              | A+               | A+                | A                        | A+                         | A+                      |

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FLOORING SYSTEMS

creating better environments