



Homogeneous Vinyl

sphera[®]essence



27 x 2 m

creating better environments

forbo

FLOORING SYSTEMS



sphera[®] essence

premium homogeneous vinyl

Sphera is Forbo's homogeneous vinyl collection, styled by our European design team. Using the latest production technology in an advanced purpose-built manufacturing plant, Sphera Essence offers interest and style to floor designs across a broad range of applications:

The visual of Sphera Essence is developed with a new variation of recipe and process settings. This has resulted in a unique visual that refers to a granite-stone or terrazzo look with transparent particles for depth and contrast. The colour range of 18 items exists of neutral and natural tones supported by fresh accent colours.

Forbo Sphera has very low emissions of $<10\mu\text{g}/\text{m}^2$ 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.

Sphera homogeneous vinyl is leading the product category by 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

- Originally produced in Europe, styled by Forbo's European design team.
- A timeless, non-directional pattern with a good balance of traditional and contemporary colours.
- The higher colour contrast and transparency create a 3D effect and robust, granite or terrazzo inspired visual.
- Perfectly coordinated with other Forbo Flooring products including other Sphera ranges and Marmoleum.

TECHNOLOGY SUSTAINABILITY

- State of the art steel-belt press and thermofix technology ensures consistent quality.
- Unique embossing process following lacquer application delivers durable performance.
- In-line coating and subsequent embossing process for superior appearance.
- Low emissions & phthalate free manufacturing ensures Sphera can contribute to a healthy indoor environment.

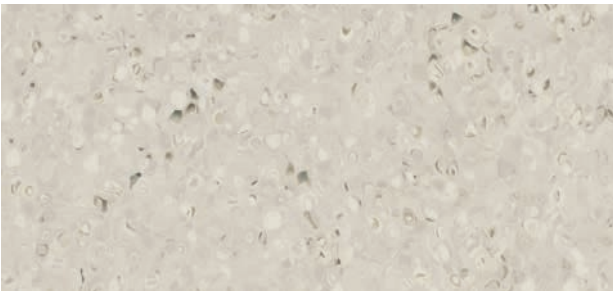
PERFORMANCE DURABILITY

- High binder content offers high density of the product, ensuring excellent wear resistance.
- SMART-top surface finish ensures Sphera has a high resistance to chemicals, scratches and stains.
- Easy to cut, cove and groove flooring for quick installation.



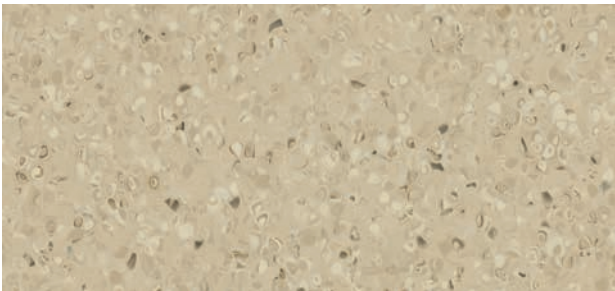


50500 | limestone 50504 | biscuit



50500 | limestone

LRV 59%
NCS S 2005-Y20R

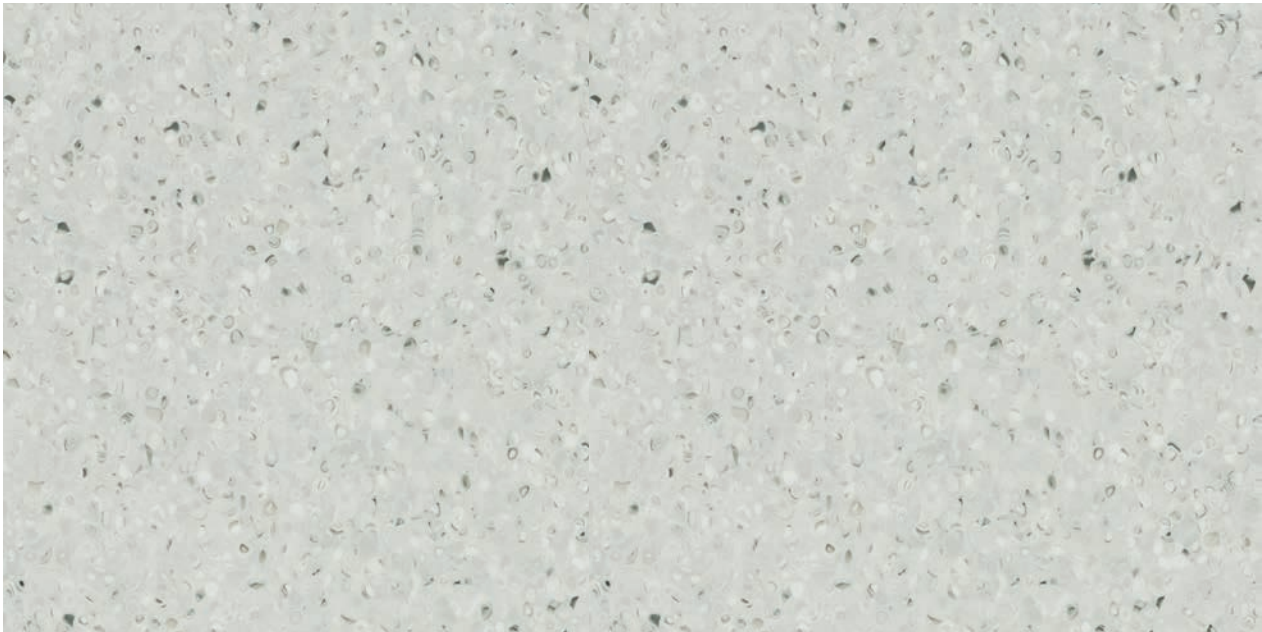


50504 | biscuit

LRV 48%
NCS S 2010-Y20R

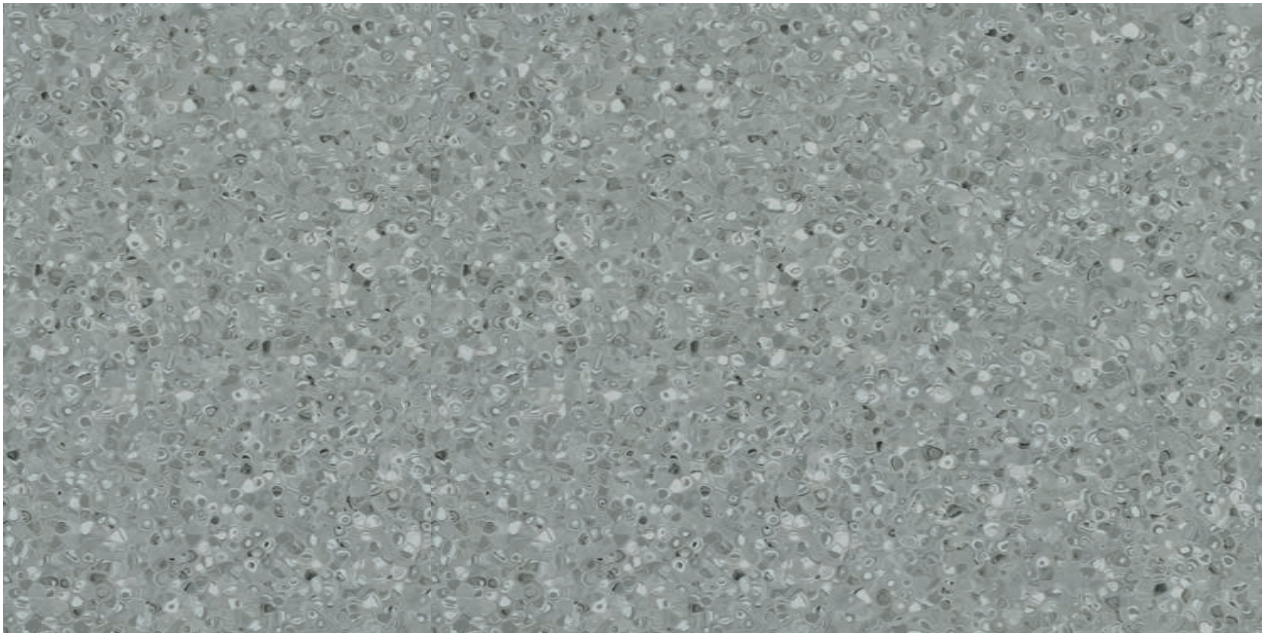


50511 | trout



50511 | trout

LRV 62%
NCS S 1500-N



50503 | shark

LRV 30%
NCS S 4502-B

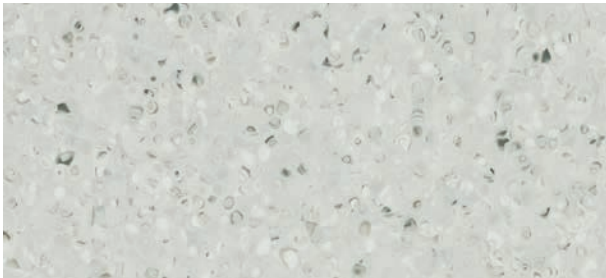


50512 | paper



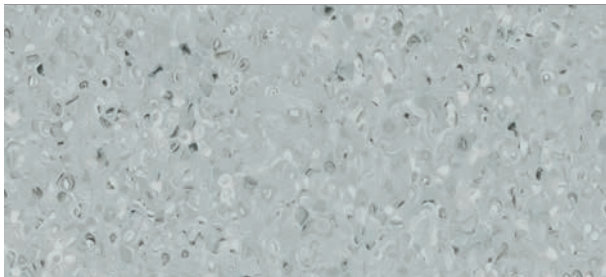
50512 | paper

LRV 71%
NCS S 1002-G



50511 | trout

LRV 62%
NCS S 1500-N



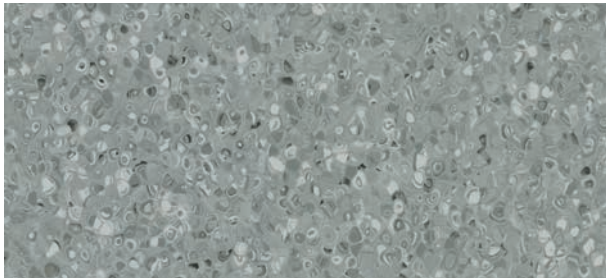
50513 | fog

LRV 50%
NCS S 2502-G



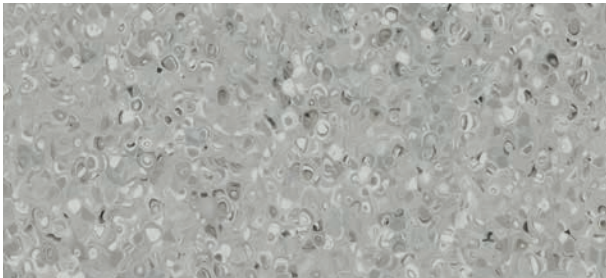
50502 | ash

LRV 53%
NCS S 2000-N



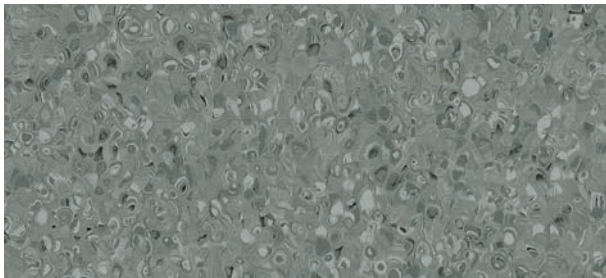
50503 | shark

LRV 30%
NCS S 4502-B



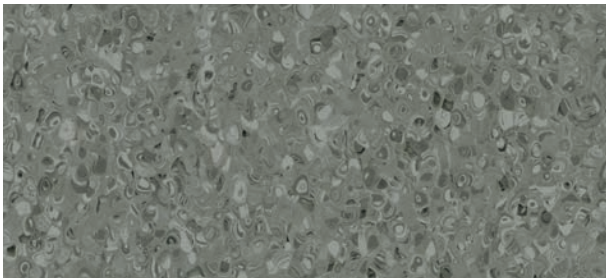
50501 | dawn

LRV 41%
NCS S 3500-N



50506 | storm

LRV 21%
NCS S 5502-B

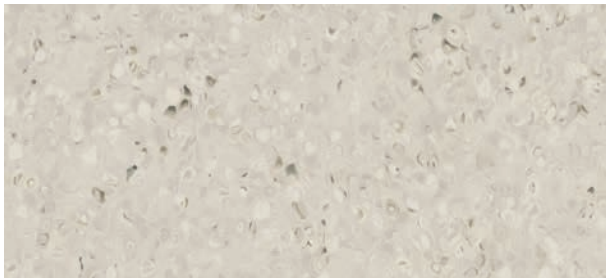


50514 | charcoal

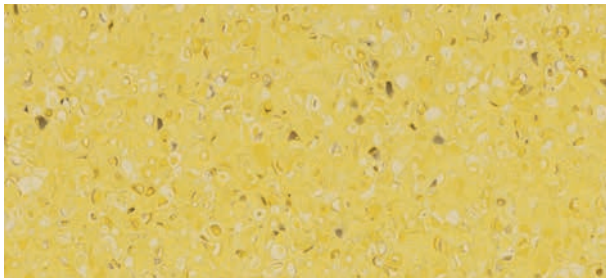
LRV 18%
NCS S 600-N



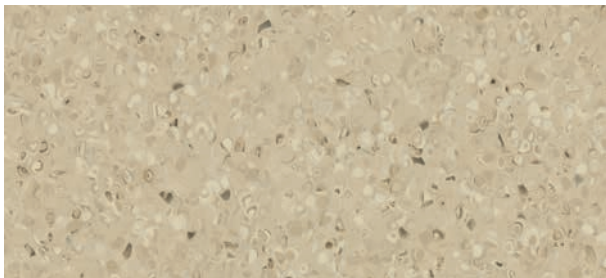
50509 | opal



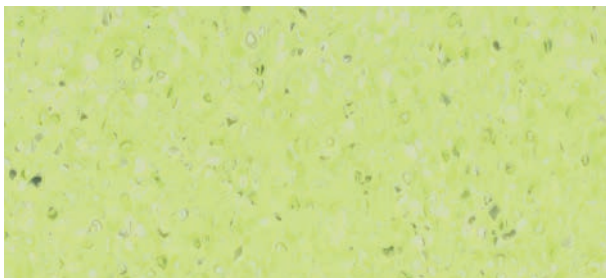
50500 | limestone
LRV 59%
NCS S 2005-Y20R



50516 | glow
LRV 58%
NCS S 1040-Y



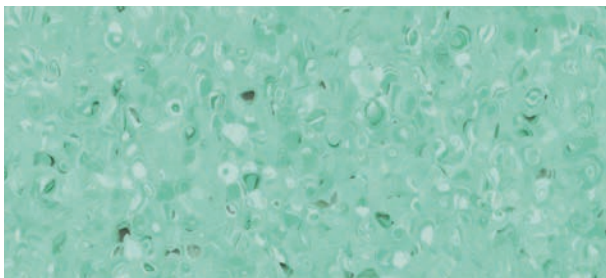
50504 | biscuit
LRV 48%
NCS S 2010-Y20R



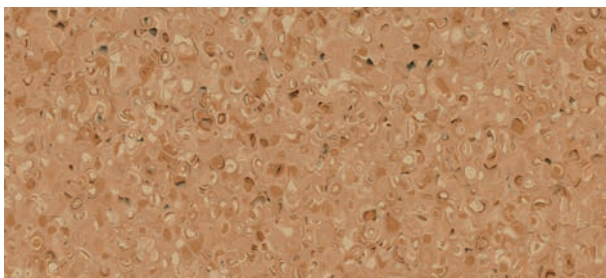
50515 | spring
LRV 60%
NCS S 1040-G60Y



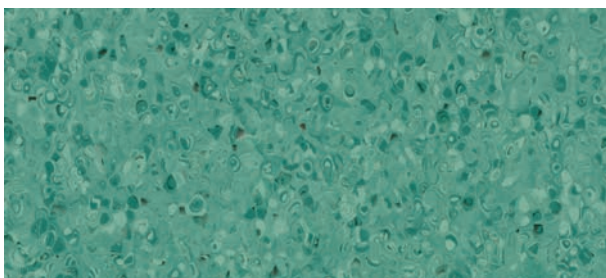
50505 | hazel
LRV 32%
NCS S 4010-Y30R



50509 | opal
LRV 52%
NCS S 1030-B90G



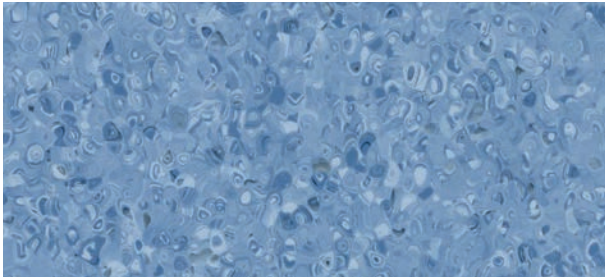
50517 | cotta
LRV 26%
NCS S 4020-Y50R



50510 | mineral
LRV 25%
NCS S 4030-B90G

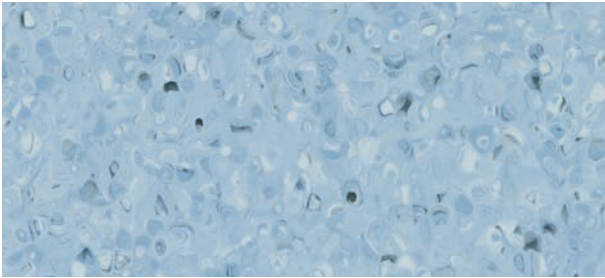


50508 | aqua 50507 | sky



50508 | aqua

LRV 26%
NCS S 3030-R80B



50507 | sky

LRV 45%
NCS S 2020-R90B



Technical specifications

Sphera Essence 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		18
	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	2900 g/m²
	Dimensional stability <i>Typical value</i>	EN ISO 23999	≤ 0.4 % ~ 0.2%
	Slip resistance (ramp test)	DIN 51130	R9
	Castor chair continuous use	ISO 4918	Pass
	Residual indentation <i>Typical value</i>	EN ISO 24343-1	≤ 0.10 mm ~ 0.03 mm
	Colour fastness to light	EN ISO 105-B02 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 Essence is manufactured using 100% electricity from renewable sources	
Sphera Essence meets the requirements of EN 14041			
	Reaction to fire	EN 13501-1	B _s -s1, L, NCS
	Slip resistance	EN 13893	μ ≥ 0.30
	Thermal conductivity	EN 12524	0.25 W/mK
	Body voltage	EN 1815	≤ 2 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.

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