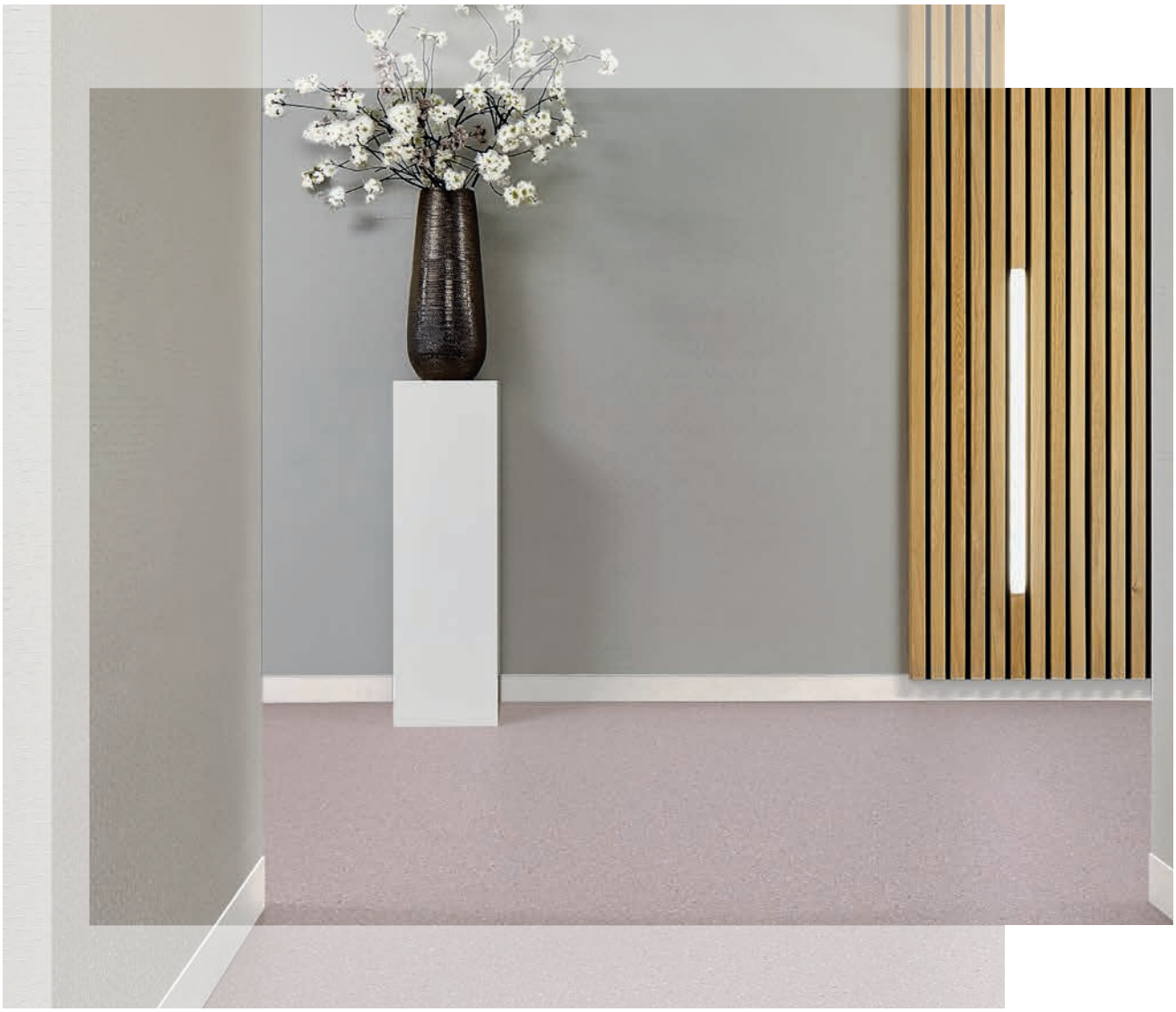


**Homogene** Vinylbeläge

# sphera®

## element | energetic | elite

27 x 2 m

**creating better environments**

forbo
FLOORING SYSTEMS

# sphera®

***BREITES PORTFOLIO HOCHWERTIGER VINYLBELÄGE***

*Europäische Herstellung nach modernsten Produktionstechniken*

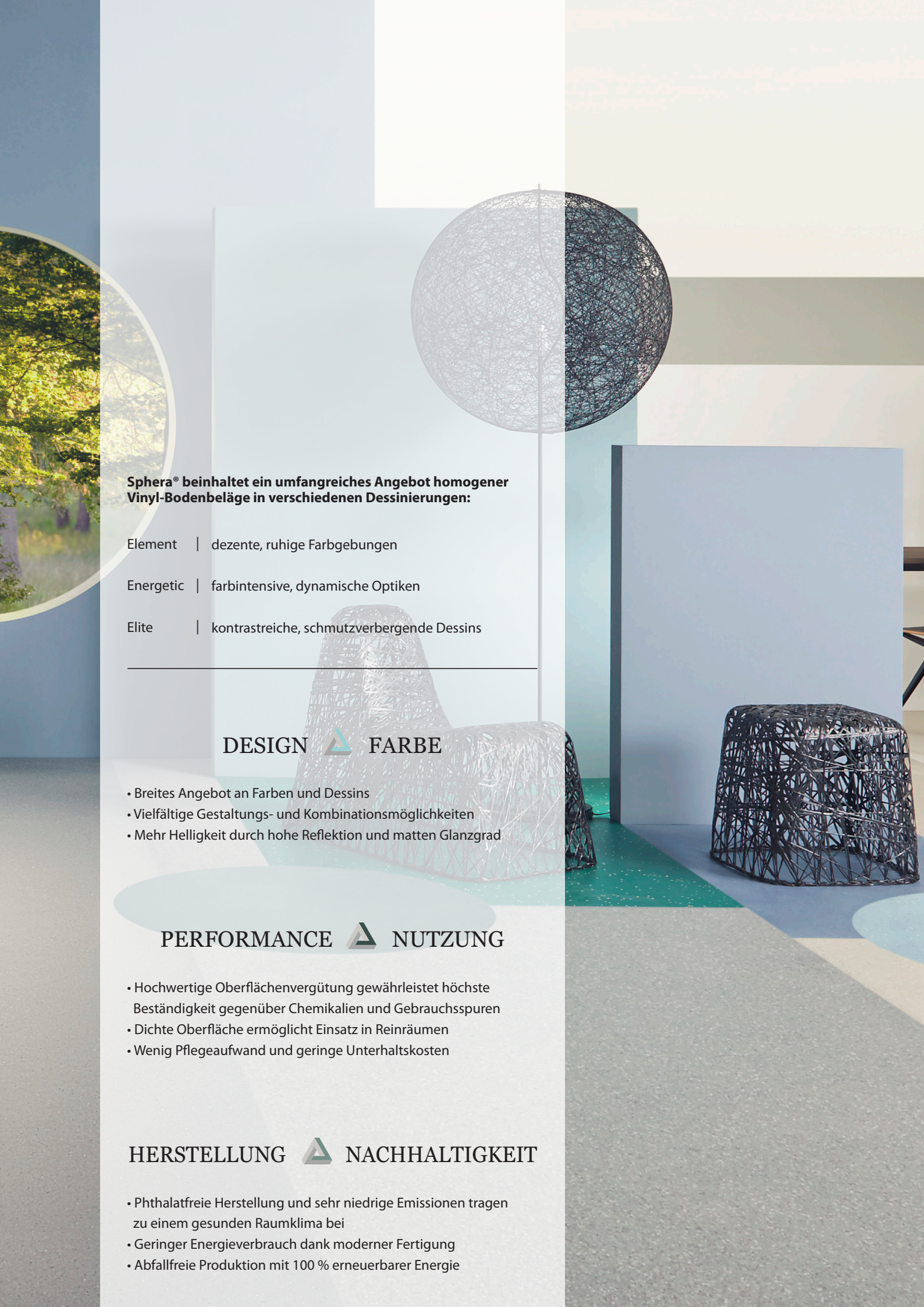
Sphera® bietet dauerhafte hygienische Bodenlösungen für ein breites Anwendungsspektrum. Unbedenkliche Inhaltsstoffe, hohe Fertigungsstandards sowie modernste Produktionstechniken stehen für erstklassige Qualität „Made in Europe".

*Für jeden Einsatzbereich die passende Lösung*

Drei Dessin-Gruppen in unterschiedlichen Optiken ermöglichen eine umfangreiche Auswahl für zeitgemäße Umgebungen und klassische Einsatzbereiche. Das Portfolio beinhaltet dezente Farbigkeiten und dynamische Dessinierungen mit farblich abgestimmten Einstreuungen für vielseitige Anwendungen.

*Im Einklang mit der Umwelt*

Sphera® gewährleistet ein sicheres und hygienisches Umfeld, ist besonders emissionsarm sowie frei von Phthalat-Weichmachern. Bei der Herstellung wird der Energie- und Rohstoffverbrauch minimiert, indem anfallende Produktionsabfälle ohne Qualitätsverlust wiederverwendet werden.



**Sphera® beinhaltet ein umfangreiches Angebot homogener Vinyl-Bodenbeläge in verschiedenen Dessinierungen:**

Element | dezente, ruhige Farbgebungen

Energetic | farbintensive, dynamische Optiken

Elite | kontrastreiche, schmutzverbergende Dessins

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## DESIGN △ FARBE

- Breites Angebot an Farben und Dessins
- Vielfältige Gestaltungs- und Kombinationsmöglichkeiten
- Mehr Helligkeit durch hohe Reflektion und matten Glanzgrad

## PERFORMANCE △ NUTZUNG

- Hochwertige Oberflächenvergütung gewährleistet höchste Beständigkeit gegenüber Chemikalien und Gebrauchsspuren
- Dichte Oberfläche ermöglicht Einsatz in Reinräumen
- Wenig Pflegeaufwand und geringe Unterhaltskosten

## HERSTELLUNG △ NACHHALTIGKEIT

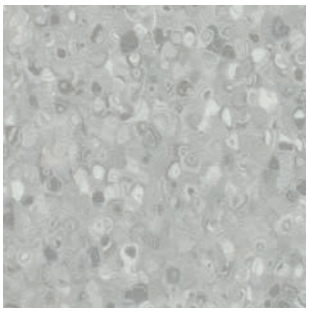
- Phthalatfreie Herstellung und sehr niedrige Emissionen tragen zu einem gesunden Raumklima bei
- Geringer Energieverbrauch dank moderner Fertigung
- Abfallfreie Produktion mit 100 % erneuerbarer Energie

**50489** | pyrite **50488** | brown topaz

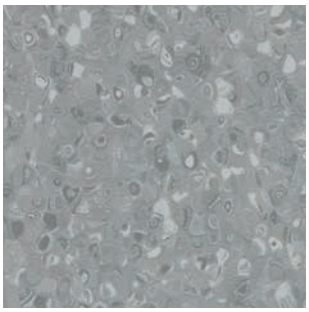
**51018** | contrast mortar

# sphera®

2 mm

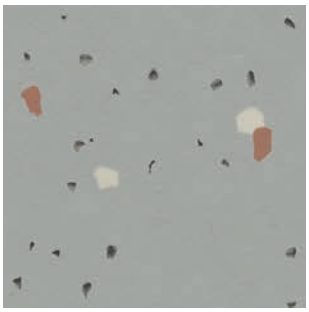


**Element**

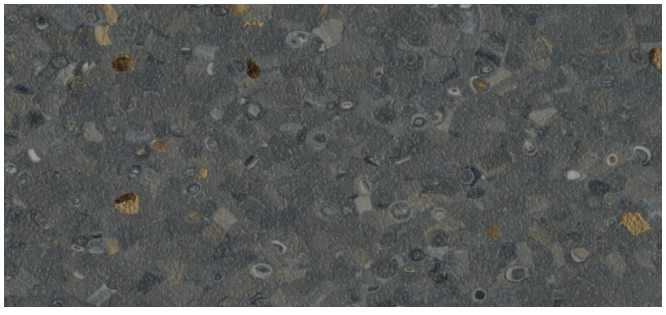


**Element contrast**

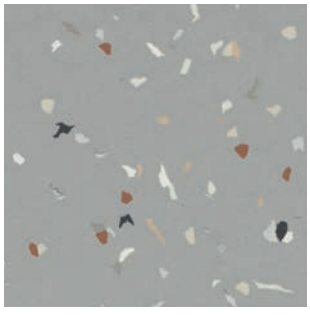
**Energetic uni**



**Energetic vivid**



**Elite**



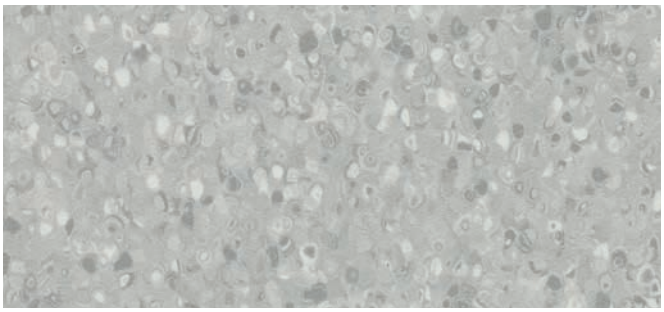
**Energetic shimmer**

**Energetic confetti**

# **sphera**® element

2 mm

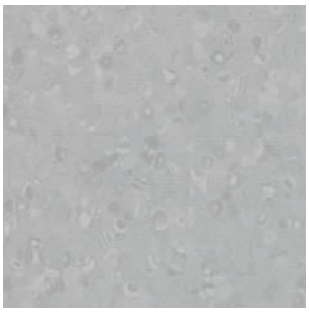
**50062** | storm grey LRV 59%



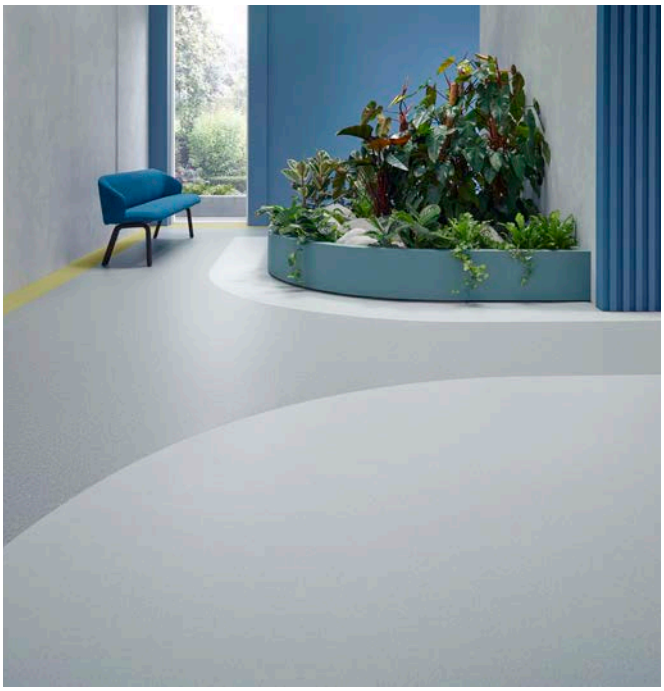
**51004** | contrast mid grey LRV 51%



**50000** | white LRV 72%

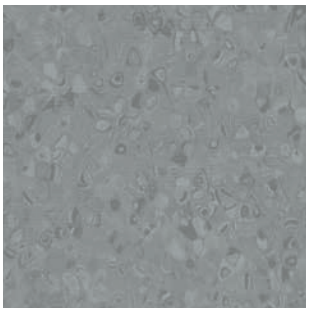


**50008** | silver grey LRV 47%

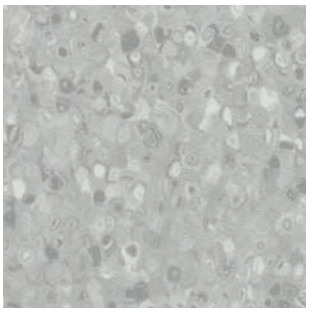


**50008** | silver grey **51005** | contrast dark grey **50068** | hay

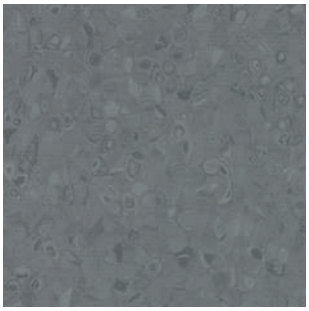
**50003** | light neutral grey LRV 53%



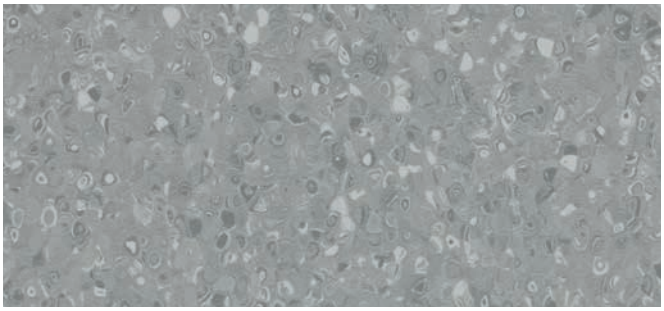
**50009** | lead LRV 27%



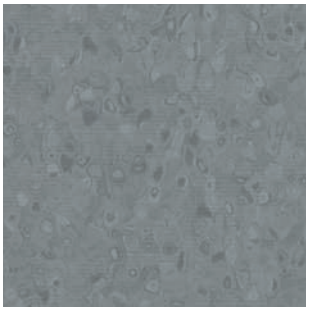
**50004** | mid neutral grey LRV 36%



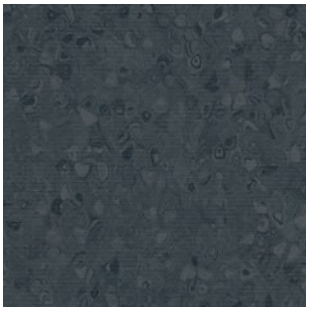
**50010** | iron LRV 17%



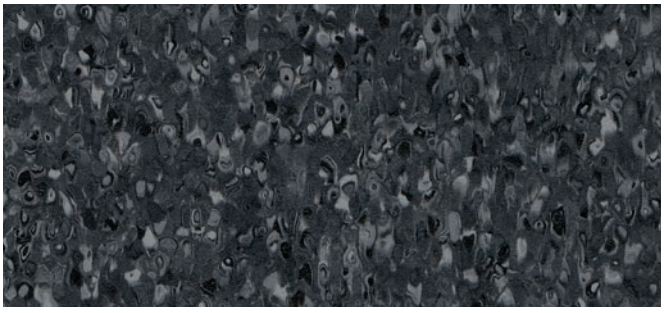
**51005** | contrast dark grey LRV 32%



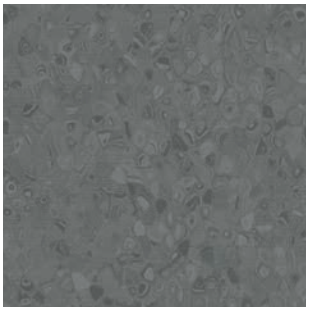
**50005** | dark neutral grey LRV 24%



**50011** | steel LRV 10%



**51001** | contrast black LRV 8%



**50006** | anthracite LRV 15%

# **sphera**® element

2 mm

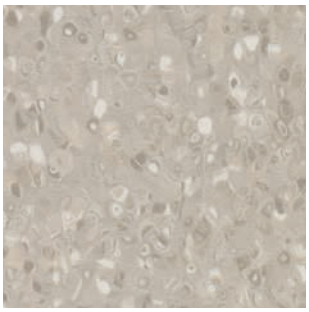
**50017** | ivory LRV 62%



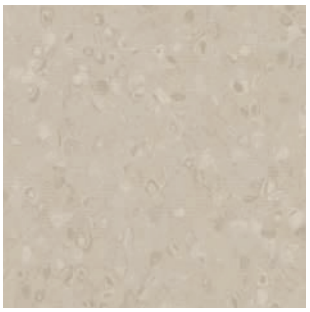
**50022** | shell LRV 70%

**50063** | white moss LRV 65%

**50064** | light moss LRV 50%

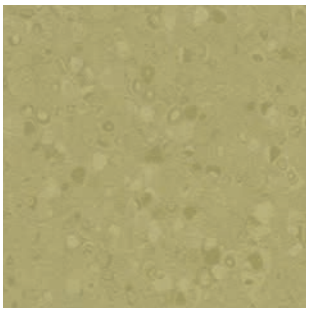


**51018** | contrast mortar LRV 49%

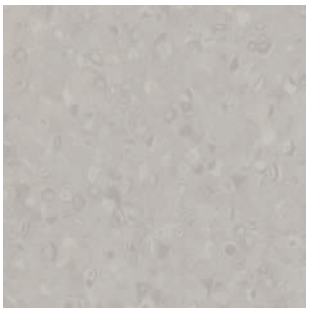


**50018** | mortar LRV 49%

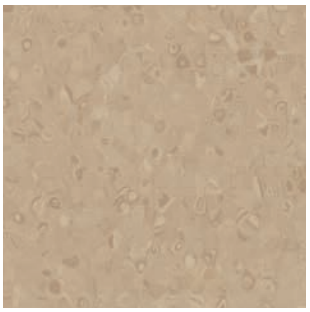
**50023** | sand LRV 53%



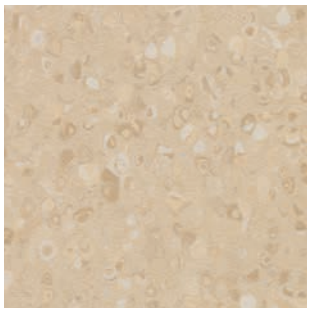
**50065** | moss LRV 38%



**50028** | greige LRV 47%



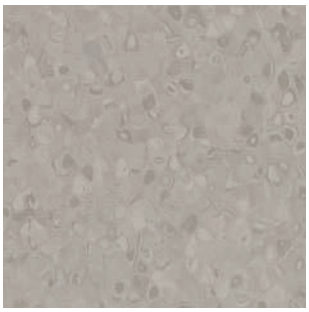
**50024** | stone LRV 38%



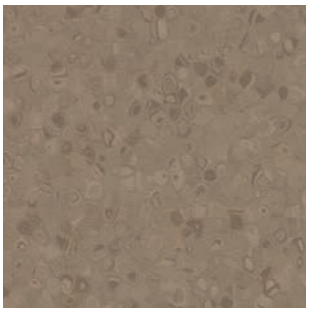
**51023** | contrast sand LRV 51%



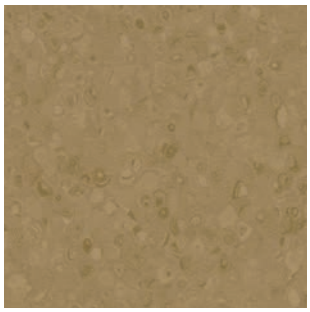
**50067** | straw LRV 71%



**50029** | taupe LRV 34%

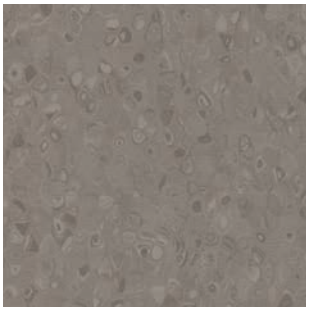


**50025** | earth LRV 23%

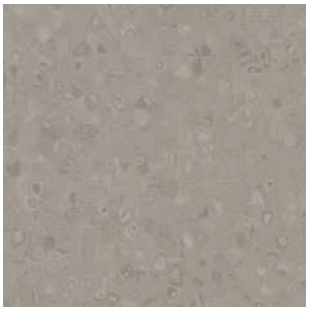


**50066** | flax LRV 27%

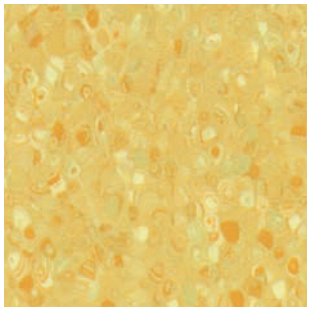
**50068** | hay LRV 47%



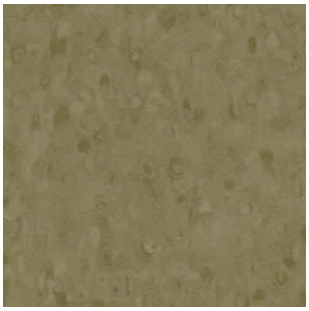
**50020** | silt LRV 23%



**50019** | clay LRV 36%



**51054** | contrast amber LRV 54%

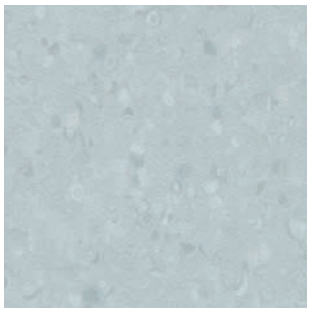


**50069** | dark moss LRV 21%

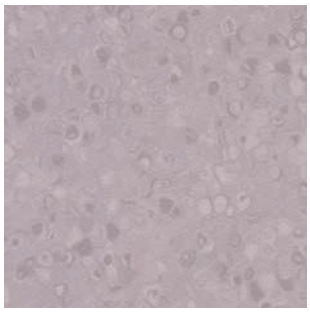
# **sphera**® element

2 mm

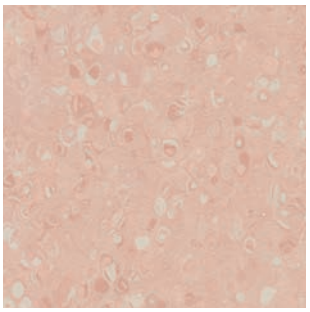
**50007** | grey sky LRV 63%



**50079** | lagoon LRV 51%



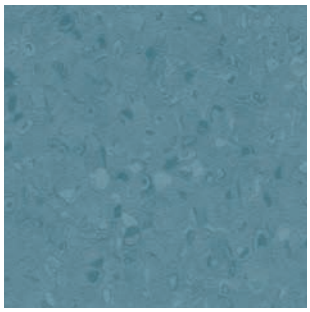
**50070** | soft violet LRV 47%



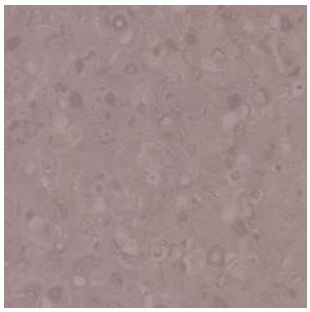
**51073** | contrast peach LRV 45%



**50076** | pastel kelp LRV 66%

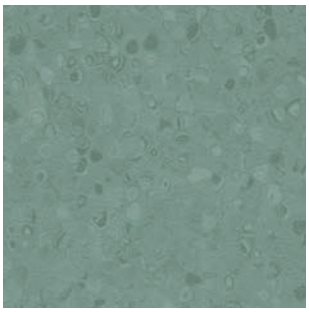


**50080** | reef green LRV 24%

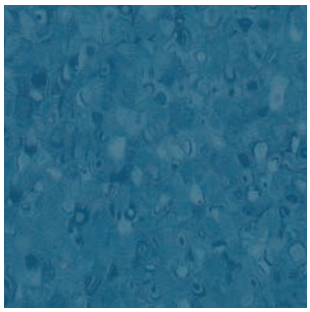


**50071** | violet LRV 27%

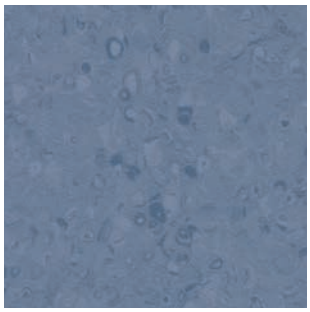
**50072** | light peach LRV 62%



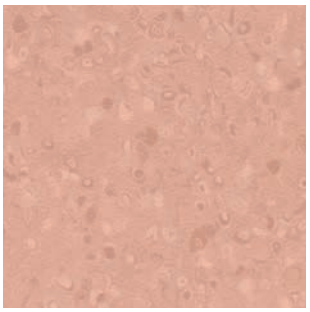
**50077** | kelp LRV 28%



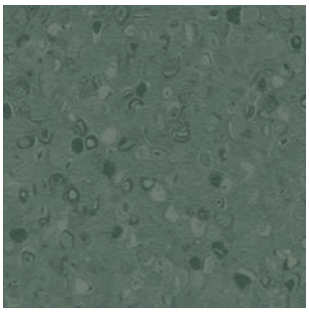
**50081** | ocean LRV 13%



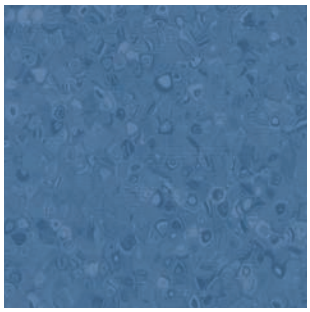
**50082** | lavender grey LRV 23%



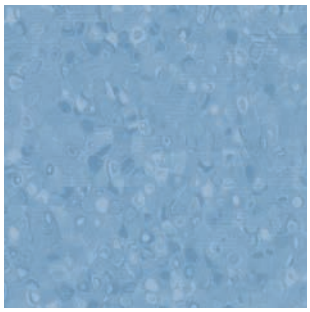
**50073** | peach LRV 41%



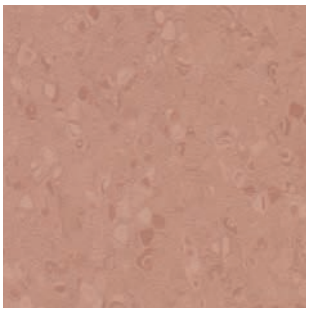
**50078** | dark kelp LRV 16%



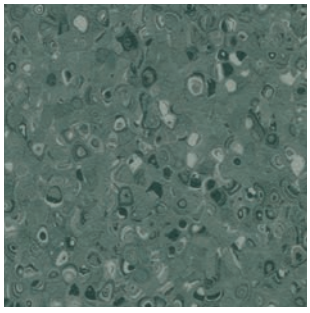
**50038** | blueberry LRV 19%



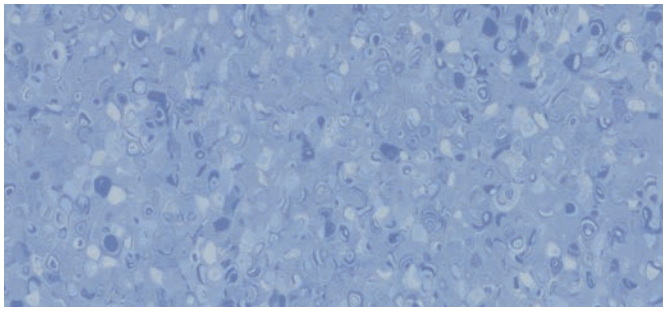
**50037** | China blue LRV 36%



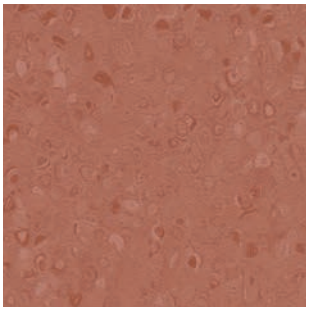
**50074** | dark peach LRV 32%



**51078** | contrast kelp LRV 17%



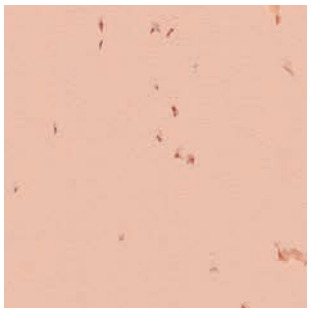
**51037** | contrast China blue LRV 38%



**50075** | hibiscus LRV 18%

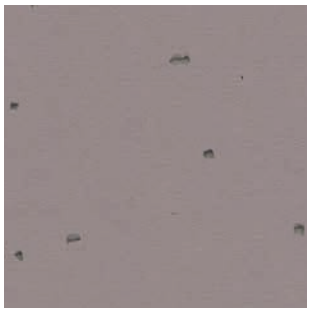
# **sphera**® energetic

2 mm



**50231** | rosebud LRV 61%

**50234** | lilac LRV 56%



**50219** | dolphin LRV 24%

**50202** | concrete LRV 38%

**50233** | Swedish grey LRV 55%

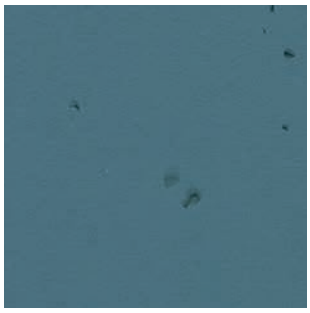
**50236** | thyme LRV 30%

**50242** | malachite LRV 14%

**50214** | lime LRV 55%

**50239** | ice LRV 58%

**50217** | mystic blue LRV 35%



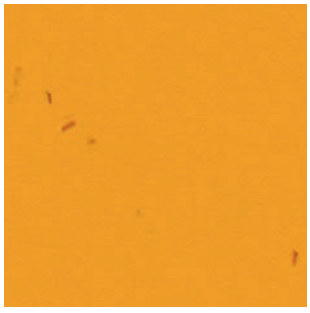
**50204** | deep sea LRV 17%

**50201** | yellow LRV 64%

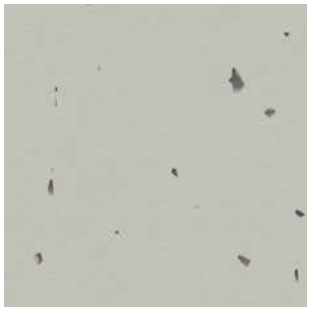
**50221** | linen LRV 56%

**50209** | nutmeg LRV 31%

**50225** | masala LRV 21%



**50210** | mandarin LRV 40%



**50211** | stone LRV 49%

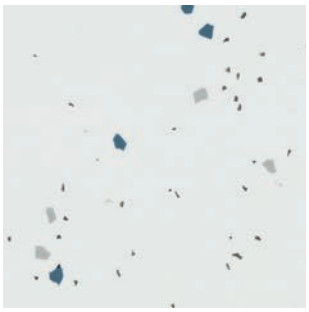
**50216** | pigeon LRV 26%

**50215** | ebony LRV 14%

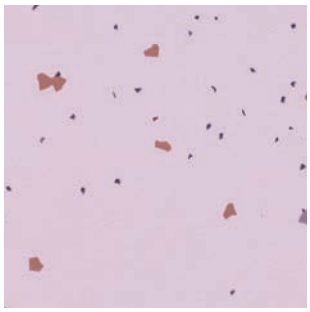
**50241** | madder red LRV 16%

# sphera® energetic

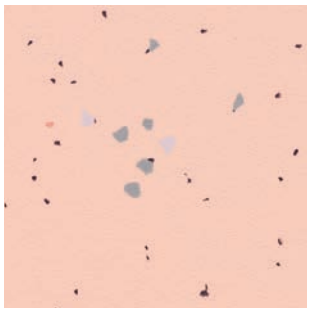
2 mm



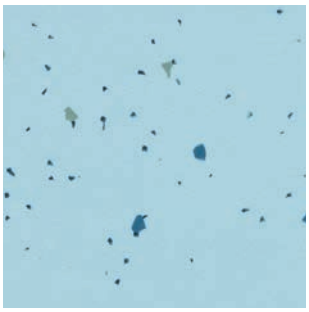
**51243** | vivid snow LRV 65%



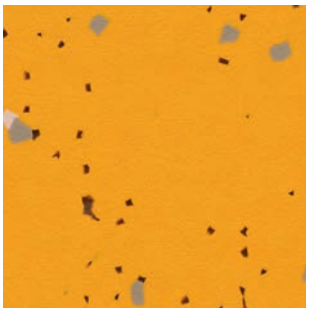
**51234** | vivid lilac LRV 56%



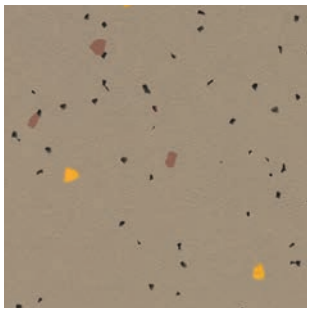
**51231** | vivid rosebud LRV 61%



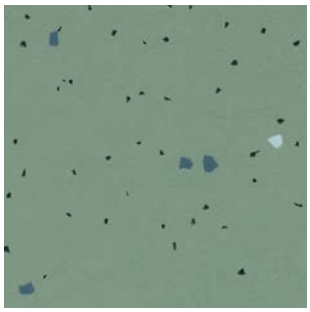
**51239** | vivid ice LRV 58%



**51210** | vivid mandarin LRV 40%



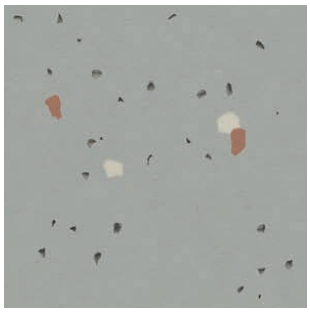
**51209** | vivid nutmeg LRV 31%



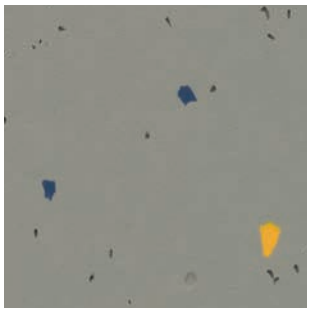
**51245** | vivid thyme LRV 30%

**51242** | vivid malachite LRV 14%

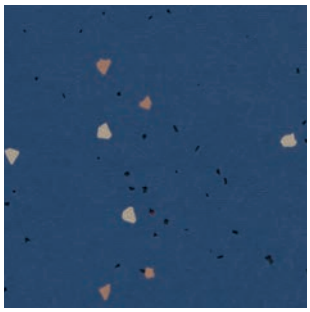
**53200** | confetti snow LRV 65%



**51202** | vivid concrete LRV 38%

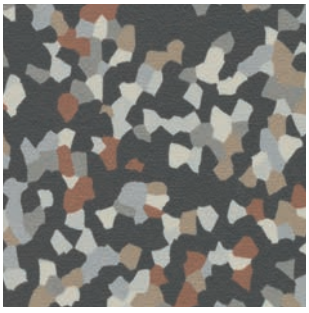


**51212** | vivid elephant LRV 29%

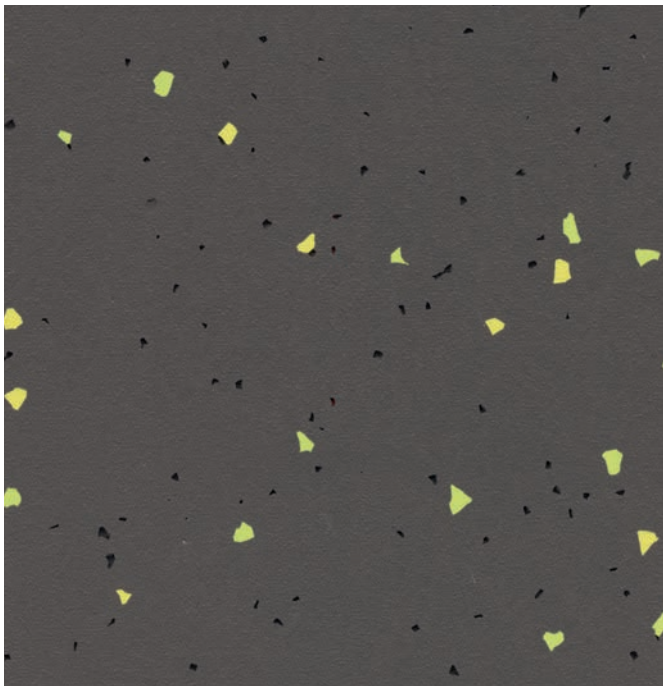


**51207** | vivid denim LRV 11%

**53202** | confetti concrete LRV 33%



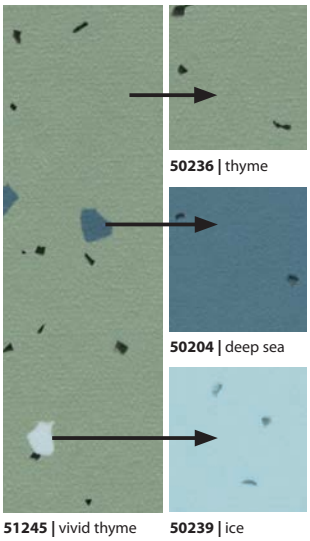
**53215** | confetti ebony LRV 26%



**51244** | vivid ebony LRV 14%

Alle Ausführungen von Vivid und Shimmer bestehen jeweils aus einer Grundfarbe und zwei Farbchips weiterer Grundfarben.

In der Broschüre finden Sie Ansichtsbeispiele.



**50236** | thyme

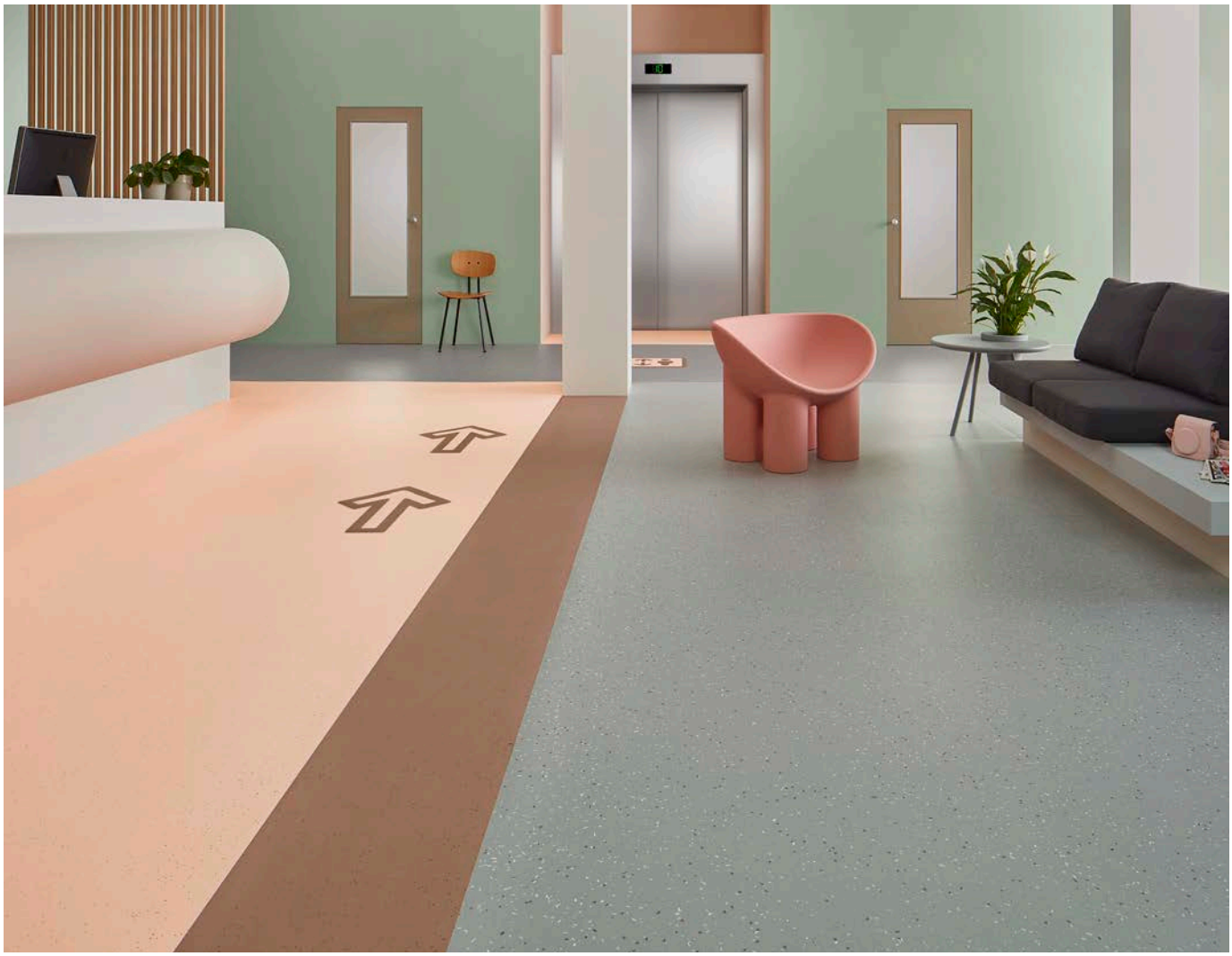
**50204** | deep sea

**50239** | ice

**51245** | vivid thyme

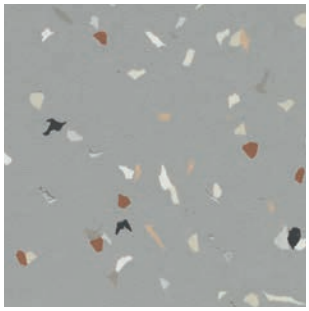
# **sphera**® energetic

2 mm

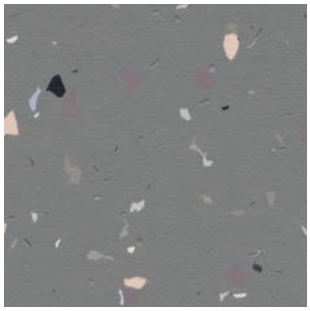


**50231** | rosebud **50225** | masala **52216** | shimmer pigeon **52202** | shimmer concrete

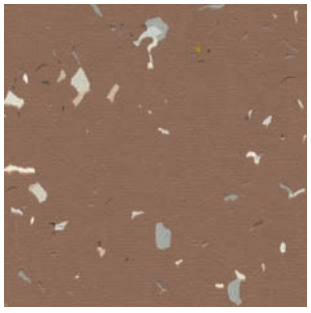
**52222** | shimmer lace LRV 76%



**52202** | shimmer concrete LRV 38%



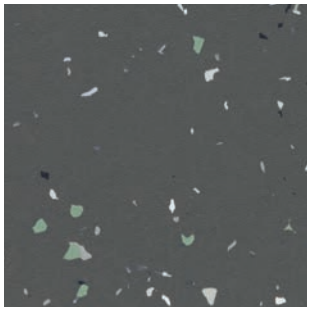
**52216** | shimmer pigeon LRV 26%



**52225** | shimmer masala LRV 19%

**52236** | shimmer thyme LRV 30%

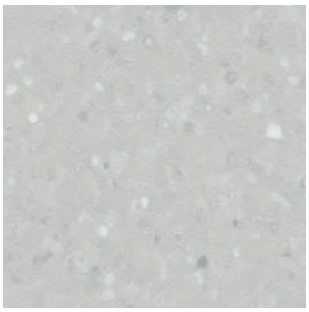
**52217** | shimmer mystic blue LRV 36%



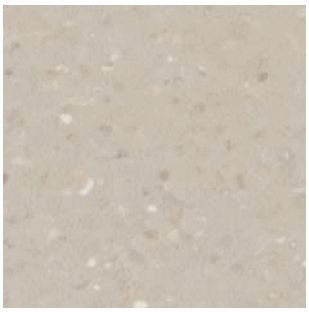
**52215** | shimmer ebony LRV 14%

# sphera® elite

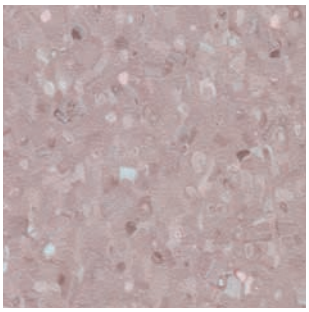
2 mm



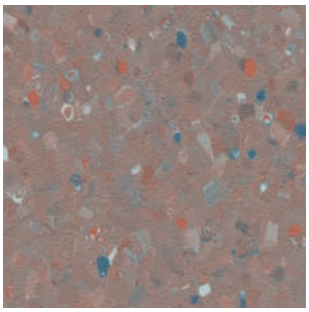
**50480** | selenite LRV 55%



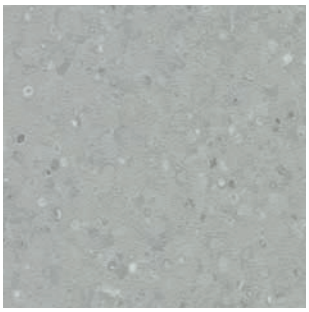
**50486** | sardonyx LRV 50%



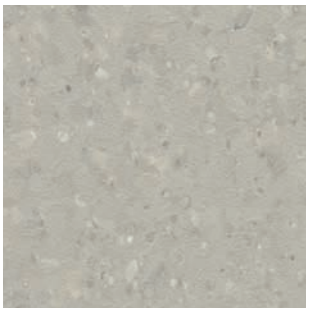
**50494** | sugilite LRV 37%



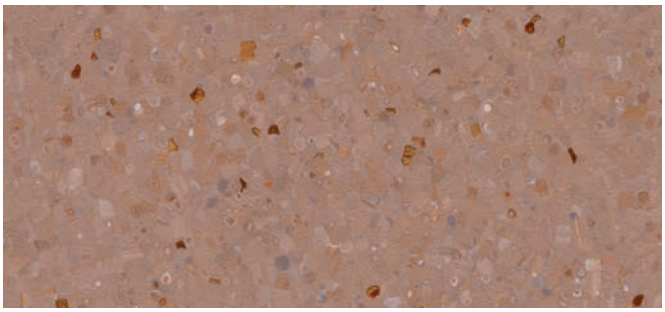
**50495** | purple fluoride LRV 24%



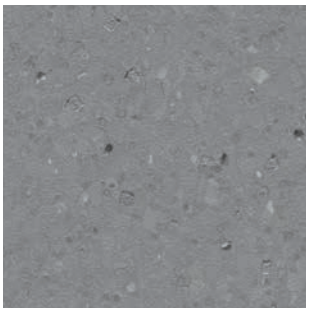
**50481** | seiryu LRV 40%



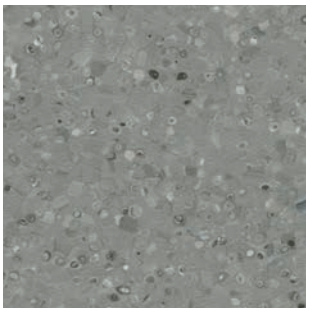
**50484** | coquina LRV 44%



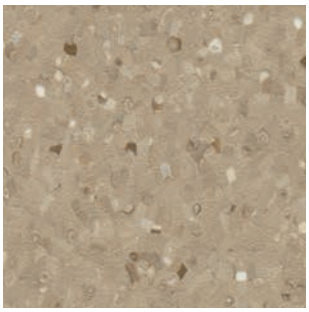
**50497** | zircon LRV 27%



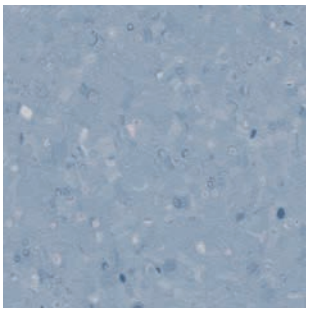
**50483** | hematite LRV 25%



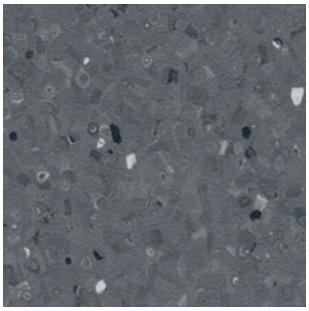
**50485** | obsidian LRV 27%



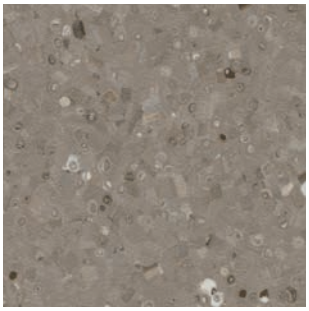
**50488** | brown topaz LRV 35%



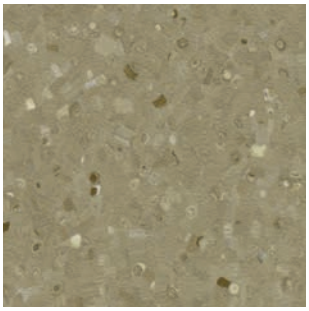
**50496** | kyanite LRV 35%



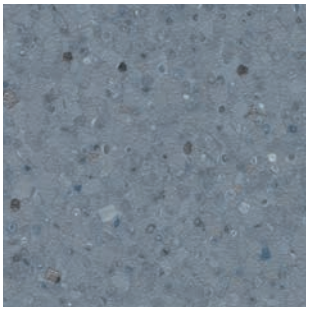
**50482** | smokey quartz LRV 14%



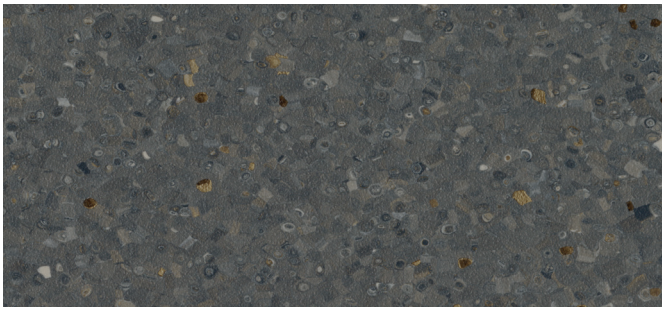
**50487** | axinite LRV 26%



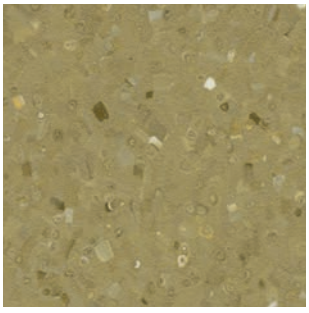
**50490** | enstatite LRV 29%



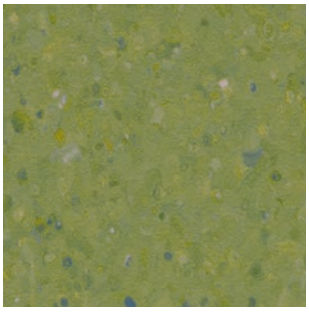
**50492** | jadeite LRV 27%



**50489** | pyrite LRV 13%



**50491** | citrine LRV 27%



**50493** | iris agate LRV 25%

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

**50005** | contrast dark grey **51054** | contrast amber

# Technische Spezifikationen

Sphera entspricht den Anforderungen der EN ISO 10581

| | | Sphera Element | Sphera Energetic | Sphera Elite |
|---|---|---|---|---|
| Gesamtdicke | EN ISO 24346 | 2,0 mm | 2,0 mm | 2,0 mm |
| Oberflächenvergütung | | SMART top | SMART top | SMART top |
| Bindemittelgehalt | EN ISO 10581 | Typ 1 | Typ 1 | Typ 1 |
| Kollektionsumfang | | 52 Farben | 42 Farben | 18 Farben |
| Einsatzbereich Wohnen | EN ISO 10874 | Klasse 23 | Klasse 23 | Klasse 23 |
| Einsatzbereich Objekt | EN ISO 10874 | Klasse 34 | Klasse 34 | Klasse 34 |
| Einsatzbereich Industrie | EN ISO 10874 | Klasse 43 | Klasse 43 | Klasse 43 |
| Bahnenbreite | EN ISO 24341 | 2,0 m | 2,0 m | 2,0 m |
| Bahnenlänge | EN ISO 24341 | ≤ 27 m | ≤ 27 m | ≤ 27 m |
| Flächengewicht | EN ISO 23997 | 2900 g/m² | 2850 g/m² | 2700 g/m² |
| Dimensionsstabilität<br>*Typischer Wert* | EN ISO 23999 | ≤ 0,4%<br>*~ 0,2%* | ≤ 0,4%<br>*~ 0,2%* | ≤ 0,4%<br>*~ 0,2%* |
| Rutschsicherheit (Rampentest) | DIN 51139 | R9 | R9 | R9 |
| Stuhlrollenbeanspruchung | ISO 4918 | Ja | Ja | Ja |
| Resteindruckverhalten<br>*Typischer Wert* | EN ISO 24343-1 | ≤ 0,10 mm<br>*~ 0,03 mm* | ≤ 0,10 mm<br>*~ 0,03 mm* | ≤ 0,10 mm<br>*~ 0,03 mm* |
| Lichtechtheit | EN ISO 105 B-02<br>method 3 | ≥ 7 | ≥ 7 | ≥ 7 |
| Innenraumemissionen: TVOC nach 28 Tagen | ISO 16516 | ≤ 0,01 mg/m³ | ≤ 0,01 mg/m³ | ≤ 0,01 mg/m³ |
| Chemikalienbeständigkeit | EN ISO 26987 | Sehr gut | Sehr gut | Sehr gut |
| Biegsamkeit | EN ISO 24344 | Ø 10 mm | Ø 10 mm | Ø 10 mm |
| Anwendung in Nassräumen | EN 13553 | Ja | Ja | Ja |
| Bakteriostatik | EN ISO 846 | Unterstützt kein Wachstum | | |
| LCA Ökobilanz | | Die Ökobilanz ist die Grundlage für die Sicherstellung der geringsten Umweltbelastung | | |
| **Creating better environments** | | | | |
| $CO_2$ erneuerbare Energie | | Sphera wird mit 100 % erneuerbarer Energie hergestellt | | |

EN 14041
CE
0200301-DoP-605

Sphera entspricht den Anforderungen der EN 14041:2004

| | | | | |
|---|---|---|---|---|
| Brandverhalten | EN 13501-1 | $B_{fl}$-s1, L, CS | $B_{fl}$-s1, L, CS | $B_{fl}$-s1, L, CS |
| Rutschhemmung | EN 13893 | μ ≥ 0,30 | μ ≥ 0,30 | μ ≥ 0,30 |
| Antistatik | EN 12524 | 0,25 W/mK | 0,25 W/mK | 0,25 W/mK |
| Wärmeleitfähigkeit | EN 1815 | ≤ 2,0 kV | ≤ 2,0 kV | ≤ 2,0 kV |

Weltweit verfügen alle Forbo Flooring Systems Vertriebsorganisationen über ein Qualitätsmanagementsystem, das nach ISO 9001 zertifiziert ist.
Weltweit verfügen alle Forbo Flooring Systems Produktionsstätten über ein Umweltmanagementsystem, das nach ISO 14001 zertifiziert ist.
Die Lebenszyklusanalysen (LCA) für Bodenbeläge von Forbo Flooring Systems werden in Umweltproduktdeklarationen (EPD) dokumentiert.
Diese stehen auf unserer Webseite zum Download bereit.

CERTIFIED ISO 9001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