

Technical specifications

Sphera SD | EC meet the requirements of EN-ISO 10581



sphera® SD/EC

| | | sphera SD | sphera EC |
|--|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|
| | Binder content | EN-ISO 10581 | Type 1 |
| | Total thickness | EN-ISO 24346 | 2.0 mm |
| | Surface finish | SMART control ⚡top | SMART control ⚡top |
| | Collection size | | 14 |
| | Commercial use | EN-ISO 10874 | 34 very heavy |
| | Light industrial use | EN-ISO 10874 | 43 heavy |
| | Roll width | EN-ISO 24341 | 2 m |
| | Roll length | EN-ISO 24341 | ≤ 27 m ~ 26 m |
| | Total weight | EN-ISO 23997 | 2.9 kg/m ² |
| | Electrostatics (general requirements) | IEC 61340-5-1 | Compliant |
| | Electrical resistance | IEC 61340-4-1 ESD STM7.1 | 1 x 10 ⁶ ≤ R ≤ 10 ⁸ Ω |
| | Electrical resistance in combination with ESD control footwear | IEC 61340-4-5 ESD STM97.1 | R ≤ 1 x 10 ⁹ Ω |
| | Body volatage generation, in combination with ESD control footwear <i>Typical value</i> | IEC 61340-4-5 ESD STM97.2 | < 50 V ~ 0 V <> 30 V |
| | Electrical insulation to ground | DIN VDE 0100 | ≥ 50 kΩ |
| | Dimension stability <i>Typical value</i> | EN-ISO 23999 | ≤ 0.4% ~ 0.2% |
| | Residual indentation <i>Typical value</i> | EN-ISO 24343-1 | ≤ 0.10 mm ~ 0.03 mm |
| | Castor chair continuous use | ISO 4918 | Pass |
| | Light fastness | EN-ISO 105-B02 | ≥ 7 |
| | Flexibility | EN-ISO 24344 | ø 10 mm |
| | Resistance to chemicals | EN-ISO 26987 | Very good |
| | Slip resistance | DIN 51130 | R9 |
| | Bacteria resistance | EN 846 | Does not support growth |
| | Indoor air emissions: TVOC after 28 days | ISO 16516 | ≤ 0.01 mg/m ³ |
| | Cleanroom particle emission | ISO 14644-1 | ISO 6 |
| | Creating better environments | | |
| | Renewable electricity | Sphera is manufactured using 100% electricity made from renewable sources | |
| | Sphera meets the requirements of EN 14041 | EN 14041 CE 0200304-DoP-003 | EN 14041 CE 0200305-DoP-003 |
| | Reaction to fire | EN 13501-1 | B _{f1} -s1, G, NCS |
| | Slip resistance | EN 13893 | μ ≥ 0.30 |
| | Thermal conductivity | EN 12524 | 0.25 W/m·K |
| | Body voltage | EN 1815 | ≤ 2 kV |
| | Electrical behaviour – static dissipative | EN 1081 | ≤ 1 x 10 ⁹ Ω |
| | Electrical behaviour – conductive | EN 1081 | n.a. |
| | | | ≤ 1 x 10 ⁶ Ω |

Recommended adhesives: For the latest installation instructions and recommended adhesives please visit www.forbo-flooring.co.uk/installation

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 (EPD's) which can be found on all of our websites.

Sphera is manufactured in a facility certified to SA8000 and OHSAS 18001.

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