


























Technical specifications

Sphera meets the requirements of EN ISO 10581

| | | Sphera Element | Sphera Energetic | Sphera Elite b+ |
|---|---|---|--------------------------|--------------------------|
|  | Total thickness | EN ISO 24346 | 2.0 mm | 2.0 mm |
| | Surface finish | | SMART top | SMART top |
| | Wear layer binder content | EN ISO 10581 | Type 1 | Type 1 |
|  | Collection size | | 51 | 18 |
|  | Domestic use | EN ISO 10874 | Class 23 | Class 23 |
|  | Commercial use | EN ISO 10874 | Class 34 | Class 34 |
|  | Light industrial use | EN ISO 10874 | Class 43 | Class 43 |
|  | Roll width | EN ISO 24341 | 2.0 m | 2.0 m |
|  | Roll length | EN ISO 24341 | ≤ 27 m | ≤ 27 m |
|  | Total weight | EN ISO 23997 | 2900 g/m ² | 2700 g/m ² |
|  | Dimensional stability <i>Typical value</i> | EN ISO 23999 | ≤ 0.4% ~ 0.2% | ≤ 0.4% ~ 0.2% |
|  | Slip resistance (ramp test) | AS 4586 Appendix D | R10 ¹ | R10 ¹ |
|  | Castor chair continuous use | ISO 4918 | Pass | Pass |
|  | Residual indentation <i>Typical value</i> | EN ISO 24343-1 | ≤ 0.10 mm ~ 0.03 mm | ≤ 0.10 mm ~ 0.03 mm |
|  | Colour fastness to light | EN ISO 105 B-02 method 3 | ≥ 7 | ≥ 7 |
|  | Indoor air emissions: TVOC after 28 days | ISO 16516 | ≤ 0.01 mg/m ³ | ≤ 0.01 mg/m ³ |
|  | Resistance to chemicals | EN ISO 26987 | Very good | Very good |
|  | Flexibility | EN ISO 24344 | Ø 10 mm | Ø 10 mm |
|  | Use in wet areas | EN 13553 | Yes | Yes |
|  | Bacteria resistance | EN ISO 846 | Does not support growth | |
| | Cleanroom particle emission | ISO 14644-1 | ISO 5 | - |
|  | Life Cycle Assessment | LCA is the foundation for securing the lowest environmental impact | | |
|  | Creating better environments | | | |
|  | Renewable electricity | Sphera is manufactured using 100% electricity from renewable sources | | |
|  | Recycled content | EN 17861 | 34% | 43% |
| | Bio-circular content (mass balance) | EN 17861 | - | 23% |
| | GBCA Greenstar rating system | GreenRate Level A; Best Practice PVC; Product-Specific EPD ² | | |
| | Recycling | Suitable with ResiLoop product stewardship scheme | | |

Sphera meets the requirements of EN 14041:2004

| | Productcode | 0200301-DOP-605 | 0200301-DOP-605 | 0200301-DOP-605 |
|---|----------------------|----------------------------|-----------------------------------|-----------------------------------|
|  | Reaction to fire | AS ISO 9239-1 AS 5637.1 | >4.5 kW/m ₂ Group 3 | >4.5 kW/m ₂ Group 3 |
|  | Thermal conductivity | EN 12524 | 0.25 W/mK | 0.25 W/mK |
|  | Body voltage | EN 1815 | ≤ 2.0 kV | ≤ 2.0 kV |

Recommended adhesive: Forbo F54 water-based adhesive.

¹ Slip test result achieved in an independent laboratory on a new sample. On-site testing is variable and may not guarantee the same result. For sustainable slip, a particle-based floor should be used.

² These initiatives may contribute to a project Green Star rating under the Responsible Products credits.

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.



New Zealand

Inzide Commercial
Level 2, 34 Barrys Point Road
Takapuna, Auckland 0622
Tel: +64 9 441 9850
Fax: +64 9 441 9851
E-mail: sales@inzide.co.nz
www.inzide.co.nz

Australia

Forbo Flooring Systems
23 Ormsby Place
Wetherill Park, NSW 2164
Tel: 1800 224 471
Fax: 1800 662 566
E-mail: info.au@forbo.com
www.forbo-flooring.com.au



FLOORING SYSTEMS