# Technical specifications

Flotex sheet, tile & plank meet the requirements of EN 1307

| | | Flotex colour sheet | Flotex colour tile | Flotex colour plank | Flotex colour embossed tile | Flotex colour Acoustic Plus tile | Flotex borders |
|---|---|---|---|---|---|---|---|
| Total thickness | ISO 1765 | 4.3 mm | 5.0 mm | 5.0 mm | 5.0 mm | 5.9 mm | 4.3 mm |
| Total weight | ISO 8543 | 1,800 g/m² | 4,800 g/m² | 4,800 g/m² | 4,800 g/m² | 2,600 g/m² | 1,800 g/m² |
| Pile composition | | 100% polyamide 6.6 | 100% polyamide 6.6 | 100% polyamide 6.6 | 100% polyamide 6.6 | 100% polyamide 6.6 | 100% polyamide 6.6 |
| Commercial use | EN-ISO 10874 | Class 33 | Class 33 | Class 33 | Class 33 | Class 33 | Class 33 |
| Sheet roll width | | 2.0 m | – | – | – | – | 11cm or 22 cm |
| Sheet roll length | | ± 30 m | – | – | – | – | 15 m |
| Tile / Plank size | | – | 50 x 50 cm | 100 x 25 cm | 50 x 50 cm | 50 x 50 cm | – |
| Packaging per carton tiles/planks | | – | 12 (3m²) | 10 (2.5m²) | 12 (3m²) | 10 (2.5m²) | – |
| Dimension stability | ISO 2551 / EN 986 | ≤ 0.2% | ≤ 0.1% | ≤ 0.1% | ≤ 0.1% | ≤ 0.1% | ≤ 0.2% |
| Abrasion resistance | EN 1307 annex F | > 1000 cycles | > 1000 cycles | > 1000 cycles | > 1000 cycles | > 1000 cycles | > 1000 cycles |
| Castor chair continuous use | ISO 4918 | r ≥ 2.4 | r ≥ 2.4 | r ≥ 2.4 | r ≥ 2.4 | r ≥ 2.4 | r ≥ 2.4 |
| Colour fastness to light | EN-ISO 105-B02 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 |
| Acoustic impact noise reduction | EN-ISO 717-2 | $\Delta L_w \geq 21$ dB | $\Delta L_w \geq 19$ dB | $\Delta L_w \geq 19$ dB | $\Delta L_w \geq 19$ dB | $\Delta L_w \geq 22$ dB | $\Delta L_w \geq 21$ dB |
| Acoustic sound absorption | ISO 354 | $\alpha_w = 0.10$ (H) | $\alpha_w = 0.10$ (H) | $\alpha_w = 0.10$ (H) | $\alpha_w = 0.10$ (H) | $\alpha_w = 0.25$ (H) | $\alpha_w = 0.10$ (H) |
| Water impermeability | EN 1307 annex G | Pass | Pass | Pass | Pass | Pass | Pass |
| Creating Better Environments | | | | | | | |
| Renewable electricity | | Flotex is manufactured using 100% electricity made from renewable sources. | | | | | |
| Recycled content | | Flotex sheet contains up to 20% recycled content by weight. Flotex tile / plank contains up to 59% recycled content by weight. | | | | | |
| Indoor air quality | | Flotex is approved by Allergy UK. All Flotex products are tested for indoor air emissions in accordance with EN 16516 after 3 days and 28 days. Flotex sheet has ultra low emissions. | | | | | |
| Indoor Emissions: TVOC after 28 days | EN 16516 | ≤ 0.1 mg/m³ | ≤ 0.1 mg/m³ | ≤ 0.1 mg/m³ | ≤ 0.1 mg/m³ | ≤ 0.1 mg/m³ | ≤ 0.1 mg/m³ |
| GBCA Green Star Rating System | | Flotex have been certified by Global Greentag Greenrate - Level A, Declare 2.0 - Declared, Vinyl Council of Australia BEP PVC Version 1.0 and EPD - Product-Specific. These initiatives may contribute to a project's Green Star rating through the Responsible Products credits. Flotex combined Responsible Product Value (RPV) is >12. | | | | | |
| LCA | | Life Cycle Assessment is the foundation for securing the lowest environmental impact. | | | | | |
| Flotex meets the requirements of EN 14041:2004 | | EN 14041:2004 CE 1200101- DOP -012 | EN 14041:2004 CE 1200201- DOP -101 | EN 14041:2004 CE 1200201- DOP -101 | EN 14041:2004 CE 1200201 - DOP -101 | EN 14041:2004 CE 1200202- DOP -012 | EN 14041:2004 CE 1200101- DOP -012 |
| Reaction to fire | AS/ISO 9239.1 | CRF: >4.5kW/m² Smoke: <750%.min | CRF: >4.5kW/m² Smoke: <750%.min | CRF: >4.5kW/m² Smoke: <750%.min | CRF: >4.5kW/m² Smoke: <750%.min | CRF: >4.5kW/m² Smoke: <750%.min | CRF: >4.5kW/m² Smoke: <750%.min |
| Slip resistance | AS/NZS 4586-2013 | R12 / P5 | R12 / P5 | R12 / P5 | R12 / P5 | R12 / P5 | R12 / P5 |
| Body voltage | ISO 6356 | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV | ≤ 2.0 kV |
| Thermal conductivity | EN 12524 | 0.06 W/mK | 0.06 W/mK | 0.06 W/mK | 0.06 W/mK | 0.06 W/mK | 0.06 W/mK |
| Content of specific dangerous substances | EN 14041 | Compliant | Compliant | Compliant | Compliant | Compliant | Compliant |

Our recommended adhesive for Flotex Sheet is F54. Our recommended tackifier for Flotex Modular is FPS1. Please contact customer services for more information.
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.

**creating better environments**

**forbo FLOORING SYSTEMS**