

Technical specifications

Allura, Allura Click Pro, Allura Ease and Allura Puzzle meet the requirements of EN ISO 10582 / Allura Flex meet the requirements of EN 651.

| | | Allura 0.70 | Allura 0.55 | Allura Flex 1.0 | Allura Flex 0.55 | Allura Click Pro | Allura Ease | Allura Puzzle |
|--|--|---|--|--|--|--|---|--|
| | Total thickness | EN-ISO 24346 | 2.5 mm | 2.2 mm | 5 mm | 4 mm | 5 mm | 5 mm |
| | Wearlayer thickness | EN-ISO 24340 | 0.70 mm | 0.55 mm | 1 mm | 0.55 mm | 0.55 mm | 0.70 mm |
| | Collection size | | 127 | 127 | 66 | 66 | 51 | 18 |
| | Domestic use | EN-ISO 10874 | 23 | 23 | 23 | 23 | 23 | 23 |
| | Commercial / light industrial use | EN-ISO 10874 | 34 / 43 | 33 / 42 | 34 / 42 | 33 / 42 | 33 / 41 | 34 / 43 |
| | Squareness and straightness | EN-ISO 24342 | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm | < 400 mm < 0.25 mm / > 400 mm < 0.35 mm |
| | Total weight | ISO 23997 | ca. 3600 gr/m ² | ca. 3150 gr/m ² | ca. 6550 gr/m ² | ca. 5200 gr/m ² | ca. 8300 gr/m ² | ca. 7900 gr/m ² |
| | Wearlayer binder content | EN-ISO 10582 | Type 1 | Type 1 | Type 1 | Type 1 | Type 1 | Type 1 |
| | Castor chair continuous use | ISO 4918 | superior | very good | superior | very good | very good | superior |
| | Slip resistance | DIN 51130 | R10 | R10 | R10 | R10 | R10 | R10 |
| | Acoustical impact noise reduction | EN ISO 717-2 | 6 dB | 6 dB | 14 dB | 14 dB | 7 dB / 15 dB in combination with Forbo underlay | 7 dB |
| | Residual indentation <i>Typical value</i> | ISO 24343-1 | ≤ 0.10 mm ~ 0.04 mm | ≤ 0.10 mm ~ 0.04 mm | ≤ 0.20 mm ~ 0.11 mm | ≤ 0.20 mm ~ 0.11 mm | ≤ 0.10 mm ~ 0.05 mm | ≤ 0.10 mm ~ 0.05 mm |
| | Light fastness | ISO 105-B02 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 | ≥ 6 |
| | Resistance to chemicals | EN-ISO 26987 | Very Good | Very Good | Very Good | Very Good | Very Good | Very Good |
| | Dimension stability (after exp. to heat) | EN-ISO 23999 | ≤ 0.05% | ≤ 0.05% | ≤ 0.05% | ≤ 0.05% | ≤ 0.05% | ≤ 0.05% |
| | Indoor Air Emissions: TVOC after 28 days | ISO 16516 | ≤ 10 µg/m ³ | ≤ 10 µg/m ³ | ≤ 20 µg/m ³ | ≤ 20 µg/m ³ | ≤ 20 µg/m ³ | ≤ 20 µg/m ³ |
| | Life Cycle Assessment | LCA is the foundation for securing the lowest environmental impact. | | | | | | |
| | Creating better environments | | | | | | | |
| | Renewable electricity | Allura is manufactured using 100% electricity from renewable sources. | | | | | | |
| | Recycled content | Allura contains up to 60% recycled content in the backing. | | | | | | |
| | Allura meets the requirements of EN 14041 | EN 14041 CE 0200130-DoP-306 | EN 14041 CE 0200130-DoP-306 | EN 14041 CE 0200131-DoP-507 | EN 14041 CE 0200131-DoP-507 | EN 14041 CE 0200132-DoP-701 | EN 14041 CE 0200133-DoP-909 | EN 14041 CE 0200134-DoP-909 |
| | Reaction to fire | EN 13501 | B _{fl} -s1,G,NCS | B _{fl} -s1,G,NCS | B _{fl} -s1,L,NCS | B _{fl} -s1,L,NCS | B _{fl} -s1,L,NCS with and without Forbo underlay | B _{fl} -s1,L,NCS |
| | Slip resistance | EN 13893 | µ > 0.30 | µ > 0.30 | µ > 0.30 | µ > 0.30 | µ > 0.30 | µ > 0.30 |
| | Thermal conductivity | EN 12524 | 0.25 W/mK | 0.25 W/mK | 0.25 W/mK | 0.25 W/mK | 0.25 W/mK | 0.25 W/mK |
| | Body voltage | EN 1815 | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 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 (EPD's) which can be found on all of our websites.

