

# moduleo® Roots 55

design floors

## TECHNICAL DATA SHEET

Edition 02/2025

### DIMENSIONS

| FORMAT                    |                   | Herringbone | Standard Plank | Medium Plank |
|---------------------------|-------------------|-------------|----------------|--------------|
| Width                     | ISO 24342:2018-11 | 158 mm      | 196 mm         | 214 mm       |
| Length                    | ISO 24342:2018-11 | 632 mm      | 1320 mm        | 1498 mm      |
| Number of panels per pack |                   | 24          | 14             | 10           |
| m² per pack               |                   | 2,397 m²    | 3,622 m²       | 3,206 m²     |
| Weight per pack           |                   | 9,97 kg     | 15,19 kg       | 13,43 kg     |

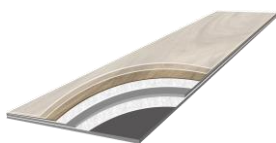
  

| FORMAT                    |                   | Square Tile | Small Tile | Medium Tile |
|---------------------------|-------------------|-------------|------------|-------------|
| Width                     | ISO 24342:2018-11 | 493 mm      | 329 mm     | 493 mm      |
| Length                    | ISO 24342:2018-11 | 493 mm      | 659 mm     | 986 mm      |
| Number of panels per pack |                   | 14          | 16         | 10          |
| m² per pack               |                   | 3,403 m²    | 3,469 m²   | 4,861 m²    |
| Weight per pack           |                   | 14,16 kg    | 14,41 kg   | 20,27 kg    |

|                          |                      |           |  |  |
|--------------------------|----------------------|-----------|--|--|
| Total mass per unit area | EN ISO 23997:2012-02 | 4063 g/m² |  |  |
| Total thickness          | ISO 24346:2006-10    | 2,5 mm    |  |  |
| Top layer                | EN ISO 24340:2012-02 | 0,55 mm   |  |  |
| Bevels                   |                      | 4V Micro  |  |  |

### PANEL BUILD-UP



- 1 Top lacquer
- 2 PVC wearlayer
- 3 Design PVC layer
- 4 Glass fiber
- 5 PVC compact middle layer
- 6 Glass fiber
- 7 PVC backing

### FACTORY WARRANTY

|              | METHOD                              | PARAMETERS                           | VALUES                                                            |                                                               |
|--------------|-------------------------------------|--------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------|
| Usage class  | EN ISO 10874 / EN ISO 10582:2018-01 |                                      | Class                                                             | 23 - 33 - 42*                                                 |
| UPEC (FR)    | À l'exception de Bâton rompu        | Certificat n° 345-010.1_06/23 - QB30 | <a href="http://evaluation.cstb.fr">http://evaluation.cstb.fr</a> | U <sub>3</sub> P <sub>3</sub> E <sub>1/2</sub> C <sub>2</sub> |
| Product norm | EN ISO 10582:2018-01 (EN 16511)     |                                      |                                                                   |                                                               |
| CE           | EN 14041:2004 / AC:2006             | Notified body                        | NB 2401 - CRET                                                    | DOP: see end label on pack                                    |
| UKCA         | EN 14041:2004 / AC:2006             | Approved body                        | AB 0321 - Satra UK                                                |                                                               |
| Warranty     | Residential use                     | See warranty conditions              | Lifetime                                                          |                                                               |
|              | Commercial use                      | See warranty conditions              | 10                                                                | years                                                         |

\* Only valid for fully bonded installation, not on looselaid underlays

### GENERAL DATA

|                                | METHOD                            | PARAMETERS                                                                                                                                                                                  | NORM REQUIREMENTS                    | MODULEO VALUES                                    |
|--------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------|
| Squareness & straightness      | EN ISO 24342:2018-11              |                                                                                                                                                                                             | ≤400mm: ≤0,25 mm<br>>400mm: ≤0,35mm  | ≤400mm: ≤0,25 mm<br>>400mm: ≤0,35mm               |
| Wearlayer                      | EN ISO 10582:2018-01              |                                                                                                                                                                                             |                                      | Type 1                                            |
| Impact resistance              | EN 13329:2006+A1:2008-08, Annex F |                                                                                                                                                                                             |                                      | ≥ 1600 mm                                         |
| Scratch resistance             | EN 16094:2021-06                  |                                                                                                                                                                                             |                                      | ≤ MSR-A2                                          |
|                                |                                   |                                                                                                                                                                                             |                                      | MSR-B1                                            |
| Castor chairs                  | ISO 4918:2016-03                  | 25000 cycles                                                                                                                                                                                |                                      | No delamination, no disturbance                   |
| Displacement of furniture feet | EN ISO 16581:2019-06              | Foot 0,1 mm / 32 kg                                                                                                                                                                         |                                      | No visible damage                                 |
| Residual indentation           | EN ISO 24343-1:2012-01            |                                                                                                                                                                                             | ≤ 0,1 mm                             | Average production result: 0,05 mm                |
| Resistance against staining    | ISO 26987:2008-08                 |                                                                                                                                                                                             |                                      | No change                                         |
| Dimensional stability          | EN ISO 23999:2021-11              | 6 hrs at 80°C                                                                                                                                                                               | ≤  0,25 %                            | Average production result: ≤  0,05 %              |
| Curling                        | EN ISO 23999:2021-11              |                                                                                                                                                                                             | ≤  2  mm                             | ≤  2  mm                                          |
| Light fastness                 | ISO 105-B02:2014-09               | Blue reference                                                                                                                                                                              | Class ≥ 6                            | Class ≥ 6                                         |
| Acoustic insulation            | DIN EN ISO 717-2:2013-06          | Impact sound reduction                                                                                                                                                                      | Glued down<br>On a Flex Pro underlay | ΔL <sub>w</sub> = 3 dB<br>ΔL <sub>w</sub> = 10 dB |
| Floor heating                  |                                   | Appropriate for all standard heating systems IN cement subfloors. Limited application with heating films and alternatives. Max contact temp ≤ 27°C. See separate installation instructions. |                                      |                                                   |

## ENVIRONMENT, SAFETY & HEALTH

|                           | METHOD                                                                            | PARAMETERS                                             | NORM REQUIREMENTS                  | MODULEO VALUES                                                                |
|---------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------|
| AFFSET                    |                                                                                   |                                                        |                                    | A+                                                                            |
| FloorScore                |                                                                                   |                                                        |                                    | SCS-FS-02828                                                                  |
| Finnish Building Emission |                                                                                   |                                                        |                                    | M1: Very low emission, odorless                                               |
| Formaldehyde emission     | EN 717-1:2004-10                                                                  | No added formaldehyde in production                    | E1 ( $\leq 0,124 \text{ mg/m}^3$ ) | < Detection limit                                                             |
| TVOC 28 days              | ISO 16000 part 9-6                                                                | AgBB requirement after 28 days <1000 $\mu\text{g/m}^3$ |                                    | OK                                                                            |
| Fire classification       | EN 13501-1:2018                                                                   |                                                        |                                    | Bfl-s1                                                                        |
| Thermal resistance        | EN 12667:2001-01                                                                  | Without underlay                                       |                                    | 0,01 $\text{m}^2 \text{ K/W}$                                                 |
| Anti-static               | EN 1815:2016-09                                                                   |                                                        |                                    | $\leq 2 \text{ kV}$                                                           |
| Slip resistance           | EN 13893:2002-11                                                                  |                                                        | $\mu \geq 0,30$                    | DS                                                                            |
|                           | EN 16165:2021-10 Annex B                                                          |                                                        |                                    | R9 - R10                                                                      |
|                           | EN 16165:2021 - Annex C (UKSRG)                                                   | Wet                                                    |                                    | Low (PTV96 $\geq 36$ ) or Moderate (35 $\geq$ PTV96 $\geq$ 25) slip potential |
|                           |                                                                                   | Dry                                                    |                                    | Low slip potential (PTV96 $\geq 36$ )                                         |
|                           | UNE-EN 16165:2021 - Annex C                                                       | Dry                                                    |                                    | PTV <sub>96</sub> $\geq 56$                                                   |
| Content                   | Anexo Nacional A (ES)                                                             |                                                        |                                    | NOT present                                                                   |
| Dangerous substances      | Heavy metals + lead/cadmium                                                       |                                                        |                                    | NOT present                                                                   |
| REACH                     | Carcinogenic, mutagenic or reprotoxic substances class 1A and 1B (candidate list) |                                                        |                                    | Compliant                                                                     |
| Recycled content          | Minimum 21% Pre-Consumer Recycled PVC Content                                     |                                                        |                                    | SCS-RC-20325                                                                  |

