

moduleo® Roots 40

design floors

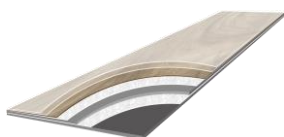
TECHNICAL DATA SHEET

Edition 02/2025

DIMENSIONS

FORMAT		Standard Plank	Small Tile
Width	ISO 24342:2018-11	196 mm	329 mm
Length	ISO 24342:2018-11	1320 mm	659 mm
Number of panels per pack		15	18
m² per pack		3,881 m²	3,903 m²
Weight per pack		15,41 kg	13,74 kg
Total mass per unit area	EN ISO 23997:2012-02	3873 g/m²	
Total thickness	ISO 24346:2006-10	2,35 mm	
Top layer	EN ISO 24340:2012-02	0,4 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 - 32
UPEC (FR)		Certificat n° 345-014.1_00/23 - QB30	http://evaluation.cstb.fr	U ₃ P ₂ E _{1/2} C ₂
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	7	years

GENERAL DATA

	METHOD	PARAMETERS	NORM REQUIREMENTS	MODULEO VALUES
Squareness & straightness	EN ISO 24342:2018-11		≤400mm: ≤0,25 mm >400mm: ≤0,35mm	≤400mm: ≤0,25 mm >400mm: ≤0,35mm
Wearlayer	EN ISO 10582:2018-01			Type 1
Impact resistance	EN 13329:2006+A1:2008-08, Annex F			≥ 1200 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 Average production result: 0,05 mm
Residual indentation	EN ISO 24343-1:2012-01		≤ 0,1 mm	No change Average production result: ≤ 0,05 %
Resistance against staining	ISO 26987:2008-08			≤ 2 mm Class ≥ 6
Dimensional stability	EN ISO 23999:2021-11	6 hrs at 80°C	≤ 0,25 %	Glued down On a Flex Pro underlay
Curling	EN ISO 23999:2021-11		≤ 2 mm	ΔLw = 4 dB ΔLw = 8 dB
Light fastness	ISO 105-B02:2014-09	Blue reference	Class ≥ 6	
Acoustic insulation	DIN EN ISO 717-2:2013-06	Impact sound reduction		
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 slip potential (PTV ₉₆ ≥ 36)
		Dry		Low slip potential (PTV ₉₆ ≥ 36)
	UNE-EN 16165:2021 - Annex C	Dry		PTV ₉₆ ≥ 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

