

# TECHNICAL DATA SHEET

Edition 03/2025

## DIMENSIONS

		BLOOM [AVMPU(-)]	CIRO [AVHBU(-)]	ILLUME [AVMTU(-)]
<b>FORMAT</b>		Medium Plank	Herringbone	Medium Tile
Width	EN 17539:2021-08	209 mm	126 mm	428 mm
Length	EN 17539:2021-08	1494 mm	630 mm	856 mm
Number of panels per pack		6	10	6
m <sup>2</sup> per pack		1,873 m <sup>2</sup>	0,794 m <sup>2</sup>	2,198 m <sup>2</sup>
Weight per pack		15,5 kg	6,8 kg	18,1 kg
Tongue and groove		Uniclic® connection	Unizip® connection	Uniclic® connection
<b>Total mass per unit area</b>	EN ISO 23997:2012-02	8109 g/m <sup>2</sup>		
<b>Total thickness</b>	EN 17539:2021-08	6 mm (= 5+1 mm attached underlay)		
<b>Finishing</b>		Advanced PU -Top coating with Scratch & Stain Guard technology		
<b>Bevels</b>		Genuine		

## PANEL BUILD-UP



- 1 Top lacquer
- 2 PVC wearlayer
- 3 PVC printfilm
- 4 PVC soft layer
- 5 PVC backing with 2 glass fibers
- 6 Pad: 1 mm crosslinked polyethylene underlay

## FACTORY WARRANTY

	METHOD	PARAMETERS	VALUES
Usage class	EN ISO 10874 / EN 16511:2023-05	Class	23 - 33
Product norm	EN 16511:2023-05		
UPEC (FR)	Bloom & Illume	Document Technique d'Application n° 12/24-1829_V1 - <a href="http://evaluation.cstb.fr">http://evaluation.cstb.fr</a>	U <sub>3</sub> P <sub>3</sub> E <sub>2</sub> C <sub>2</sub>
CE	EN 14041:2004+AC:2005+AC:2006	Notified body	NB 2401 - CRET
UKCA	EN 14041:2004+AC:2005+AC:2006	Approved body	AB 0321 - Satra UK
Warranty	Residential use	See warranty conditions	Lifetime
	Commercial use	See warranty conditions	5 years - on request up to 15 years

## GENERAL DATA

	METHOD	PARAMETERS	NORM REQUIREMENTS	QUICK-STEP VALUES
Squareness & straightness	EN 17539:2021-08		q <sub>max</sub> ≤ 0,20 mm s <sub>max</sub> ≤ 0,30 mm/m	q <sub>max</sub> ≤ 0,20 mm s <sub>max</sub> ≤ 0,30 mm/m
Light fastness	EN ISO 105-B02:2014-08	Blue reference	Class ≥ 6	Class > 7
Dimensional stability	EN ISO 23999:2021-11	6 hrs at 80°C	≤ 10,15%	≤ 10,15%
Curling	EN ISO 23999:2021-11		≤  2  mm	Average production result: ≤  1  mm
Wear resistance	ISO 24338:2022-03, Procedure B		≥ 5000 cycles	Average production result: ≥ 7000 cycles
Impact resistance	EN 13329:2006+A1:2008-08, Annex F		≥ 1600 mm	Average production result: ≥ 1800 mm
Scratch resistance	EN 16094:2021-06, method A and B		ΔR' ≤ 1,5 (60°)	ΔR' < 1 MSR-B1
Castor chairs	EN ISO 4918:2021-03	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		≤ 0,2 mm	Average production result: ≤ 0,05 mm
Resistance against staining	EN 438-2:2016+A1:2018-12	Acetone - Coffee - NaOH - H2O2 - Shoe Polish		Grade 5 (No change)
Swelling	ISO 24336:2005-03		≤ 18%	No swelling
Locking strength	ISO 24334:2019-07	F <sub>max</sub> long side	≥ 1,0 kN/m	≥ 1,0 kN/m
		F <sub>max</sub> short side	≥ 1,5 kN/m	≥ 1,5 kN/m
Water Resistance	ISO 4760:2022-05	Qualitative rating for Recovery swell		Grade 1 (No change)
		Quantitative rating for Recovery swell		≤ 0,02 mm
		Joint leakage		No leakage
Acoustic insulation	DIN EN ISO 717-2:2021-05	Impact sound reduction		ΔL <sub>w</sub> = 21 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	QUICK-STEP VALUES
<b>EPD</b>				
<b>AFFSET</b>				A+
<b>Floorscore</b>				SCS-FS-05158
<b>Finnish Building Emission</b>				M1: Very low emission, odorless
<b>Formaldehyde emission</b>	EN 717-1:2004-10	No added formaldehyde in production	E1 ( $\leq 0,124 \text{ mg/m}^3$ )	< Detection limit
<b>TVOC 28 days</b>	ISO 16000 part 9-6	AgBB requirement after 28 days	$<1000 \text{ } \mu\text{g/m}^3$	$< 20 \text{ } \mu\text{g/m}^3$
<b>Fire classification</b>	EN 13501-1:2018			Bfl-s1
<b>Thermal resistance</b>	EN 12667:2001-01			0,035 $\text{m}^2 \text{ K/W}$
<b>Slip resistance</b>	EN 13893:2002-11		$\mu \geq 0,30$	DS
	EN 16165:2021-10 Annex B			R10
	BS EN 16165:2021 Annex C (UKSRG) Wet			Low slip potential (PTV96 $\geq 36$ )
		Dry		Low slip potential (PTV96 $\geq 36$ )
	UNE-EN 16165:2022 Annex C	Wet		PTV <sub>57</sub> $\geq 22$
	Anexo Nacional A (ES)	Dry		PTV <sub>96</sub> $\geq 56$
<b>Content</b>	Heavy metals + lead/cadmium			NOT present
<b>Dangerous substances</b>	Carcinogenic, mutagenic or reprotoxic substances class 1A and 1B (candidate list)			NOT present
<b>REACH</b>				Compliant
<b>Plasticizer</b>	Phthalate free plasticizer except recycled content			
<b>Recycled content</b>	Minimum 22% Pre-Consumer Recycled PVC Content			SCS-RC-20324

