

DIMENSIONS

FORMAT	Livanti & Quattro Plus	
Width	190	mm
Length	1200	mm
Number of panels per pack	7	
m ² per pack	1.596	m ²
Bevels	0V	
Thickness	8	mm
Tongue and groove	Uniclic	
Water resistance warranty	5	years

FACTORY WARRANTY

	METHOD	PARAMETERS	Balterio VALUES	
Usage class	EN 13329		Class	21-22-23/31-32
CE	EN 14041	Notified body	NB0766 EPH Dresden	
Warranty	Residential use		See warranty conditions	25 years
		Water resistancy		5 years
	Commercial use		See warranty conditions	5 years

GENERAL DATA (ACCORDING TO EN 13329)

	METHOD	PARAMETERS	NORM REQUIREMENTS	Balterio VALUES
Wear resistance	EN 13329		≥ 4000 cycles	≥ 4000 cycles
Wear class	EN 13329		AC4	AC4
Impact resistance	EN 13329	Small ball	≥ 12N	≥ 12N
		Big ball	≥ 750mm	≥ 750mm
Scratch resistance	EN 438-2, 25		Charge ≥ 3N	Charge ≥ 5N
Effect of a castor chair	ISO 4918 (with underlay)		25000 cycles	No change
Thickness swelling	ISO 24336	After 24h immersion at 20°C	≤ 18%	≤ 12%
Locking strength	ISO 24334	F10,2 long side	≥ 1 kN/m	≥ 1 kN/m
		Fmax long side		≥ 1 kN/m
		Fs0,2 short side	≥ 2 kN/m	≥ 2 kN/m
		Fmax short side		≥ 2 kN/m
Effect of a furniture leg	EN 424		No damage shall be visible, when tested with foot type 0	No visible damage
Surface soundness	EN 13329	N/mm ²	≥ 1,25	≥ 1,50
Static indentation	EN 433		residual indentation ≤ 0,05 mm	No visible change
Resistance to staining	EN 438	Group 1,2	Class 5	Class 5
		Group 3	Class 4	Class 4
General appearance	EN 13329	Height differences	≤ 0,15 mm	≤ 0,10 mm
		Opening between joints	≤ 0,20 mm	≤ 0,10 mm
		Cupping in the length	concave ≤ 0,50%	≤ 0,50%
			convex ≤ 1,00%	≤ 1,00%
		Cupping in the width	concave ≤ 0,15%	≤ 0,15%
convex ≤ 0,20%	≤ 0,20%			
Dimensional variations after changes in relative humidity	EN 13329	δl	δl average ≤ 0,9 mm	≤ 0,9 mm
		δw	δw average ≤ 0,9 mm	≤ 0,9 mm
Light fastness	EN ISO 4892-2:2006/A1:2009 procedure B - cycle 5	grey reference	Class ≥ 4	Class 4



OTHER TECHNICAL DATA

	METHOD	PARAMETERS	NORM REQUIREMENTS	Balterio VALUES
Impact sound reduction	ISO 712/2	On a Balterio underlay		$\Delta L_w \approx 20$ dB (Depending on used underlay)
Burning cigarette	EN 438-2,30		Class 4	Class 5

ENVIRONMENT, SAFETY & HEALTH

	METHOD	PARAMETERS	NORM REQUIREMENTS	Balterio VALUES
Formaldehyde emission	EN 717-1	ppm	$E1 < 0,1$	$< 0,01$
Anti-static	EN 1815		$\leq 2,0$ kV	$\leq 2,0$ kV
Reaction to fire	EN 13501-1	Class		Cfl-s1
Thermal resistance	EN 12996:2001	m^2K/W		0,055 m^2K/W
Floor heating		On a Balterio underlay	See special instructions	Suitable
Slip resistance	EN 13893	μ	$\mu \geq 0,30$	DS: $\mu \geq 0,30$

CERTIFICATES

U-zeichen	Z-156.606-996
AFFSET	A+
PEFC	PEFC/07-32-37
M1	
EU Ecolabel	SE/035/001

