



QUICK-STEP®

ALPHA VINYL

TECHNICAL DATA SHEET

Edition 07/2024

DIMENSIONS

FORMAT		BLOS BASE [AVSPT(-)] Small Plank	ORO BASE [AVSTT(-)] Small Tile
Width	EN 17539:2021-08	189 mm	303 mm
Length	EN 17539:2021-08	1251 mm	610 mm
Number of panels per pack		12	15
m² per pack		2,837 m²	2,772 m²
Weight per pack		18,60 kg	18,20 kg
Total mass per unit area	EN ISO 23997:2012-02	1610±50 kg/m²	
Total thickness	EN 17539:2021-08	4 mm	
Finishing		Advanced PU-Top coating with Scratch & Stain Guard technology	
Tongue and groove		Uniclic® connection	
Bevels		Genuine	

PANEL BUILD-UP



- 1 Top lacquer
- 2 PVC wear layer
- 3 PVC print film
- 4 PVC soft layer
- 5 PVC backing with glass fibers

FACTORY WARRANTY

METHOD	PARAMETERS		VALUES
Usage class	EN ISO 10874	Class	23 - 33
Product norm	EN 16511:2023-05		
CE	EN 14041:2004+AC:2005+AC:2006	Notified body	NB 2401 - C-RET
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		$q_{max} \leq 0.20 \text{ mm/m}$ $s_{max} \leq 0.30 \text{ mm/m}$	OK
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	$\leq 10.15\%$	OK
Curling	EN ISO 23999:2021-11		$\leq 12 \text{ mm}$	Average production result: $\leq 11 \text{ mm}$
Wear resistance	ISO 24338:2022-03, Procedure B		≥ 5000 cycles	Average production result: ≥ 7000 cycles
Impact resistance	EN 13329:2006+A1:2009-08, Annex F		$\geq 1600 \text{ mm}$	Average production result: $\geq 1800 \text{ mm}$
Scratch resistance	EN 16094:2021-06, method A and B		$I \leq 1.5$ Unit change I at 60°	$\Delta R' = 0$ MSRB1
Castor chairs	EN ISO 4918:2021-03	Without underlay On a HEAT underlay For residential application only On a COMFORT underlay On a TRANSIT underlay	No delamination, no disturbance No delamination, no disturbance No delamination, no disturbance No delamination, no disturbance No delamination, no disturbance	≥ 25000 cycles ≥ 25000 cycles ≥ 10000 cycles ≥ 10000 cycles OK
Displacement of furniture feet	EN ISO 16581:2019-06	Foot 0.1 mm / 32 kg	No visible damage	OK
Residual indentation	EN ISO 24343-1:2012-01		$\leq 0.1 \text{ mm}$	Average production result: $\leq 0.05 \text{ mm}$
Resistance against staining	EN 438-2:2016+A1:2019-12	Acetone - Coffee - NaOH - H2O2 - Shoe Polish		Grade 5 (No change)
Swelling	ISO 24336:2005-03		$\leq 18\%$	No swelling
Locking strength	ISO 24334:2019-07	Fmax long side Fmax short side	$\geq 1.0 \text{ kN/m}$ $\geq 1.5 \text{ kN/m}$	OK OK
Water Resistance	ISO 4760:2022-05	Qualitative rating for Recovery swell Quantitative rating for Recovery swell Joint leakage		Grade 1 (No change) $\leq 0.02 \text{ mm}$ No leakage
Acoustic insulation	DIN EN ISO 717-2:2013-06	Impact sound reduction	On a HEAT underlay On a COMFORT underlay On a TRANSIT underlay	$\Delta L_w = 14 \text{ dB}$ $\Delta L_w = 18 \text{ dB}$ $\Delta L_w = 18 \text{ dB}$
Floor heating		Appropriate for all standard heating systems IN cement subfloors. Limited application with heating films and alternatives. Max contact temp $\leq 27^\circ\text{C}$. See separate installation instructions.		



ENVIRONMENT, SAFETY & HEALTH

	METHOD	PARAMETERS	NORM REQUIREMENTS	QUICK-STEP VALUES
AFFSET				A+
Floorscore				SCS-FS-05158
Finnish Building Emission			M1: Very low emission, odorless	OK
Formaldehyde emission	EN 71 7-1:2004-10	No added formaldehyde in production	E1 ($\leq 0.124 \text{ mg/m}^2$)	< Detection limit
TVOC 28 days	ISO 16000 part 9-6	AgBB requirement after 28 days $<1000 \mu\text{g/m}^3$		$< 20 \mu\text{g/m}^3$
Fire classification	EN 13501-1:2018			BSI-s1
Thermal resistance	EN 12567:2001-01	Without underlay On a HEAT underlay On a COMFORT underlay On a TRANSIT underlay		0.013 m ² K/W 0.023 m ² K/W 0.033 m ² K/W 0.058 m ² K/W
Slip resistance	EN 13893:2002-11 EN 16165:2021-10 Annex B BS EN 16165:2021 Annex C (UKSRG)	Wet Dry Wet Dry	$\mu \geq 0.30$ PTV ₁₉ PTV ₁₉ PTV ₃₁ PTV ₁₉	DS R10 Low slip potential (PTV ₁₉ ≥ 36) Low slip potential (PTV ₁₉ ≥ 36) PTV ₃₁ ≥ 22 PTV ₁₉ ≥ 58
Content	Heavy metals + lead/cadmium			NOT present
Dangerous substances	Carcinogenic, mutagenic or reprotoxic substances class 1A and 1B (candidate list)			NOT present
REACH	Regulation (EC)			Compliant
Plasticizer	Ortho-phthalate free plasticizer			OK
Recycled content	Only INTERNAL recycled material used			$\geq 20\%$

