QUICK·STEP® ALPHA VINYL

TECHNICAL DATA SHEET

Edition 03/2025

DIMENSIONS

FORMAT		BLOS [AVSPU(-)] Small Plank	ORO [AVSTU(-)] 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		9	10
m² per pack		2,128 m²	1,848 m²
Weight per pack		14,2 kg	12,4 kg
Total mass per unit area	EN ISO 23997:2012-02	6558 g/m²	
Total thickness	EN 17539:2021-08	5 mm (= 4+1 mm attached underlay)	
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 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)		Document Technique d'Application n° 12/24-1829_V1 - http://evaluation.cstb.fr		$U_{2s}P_3E_2C_2$
CE	EN 14041:2004+AC:2005+AC:2006	Notified body	NB 2401 - CRET	DOP: see end label on pack
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}≤0,20 mm | s_{max}≤0,30 mm/m	q_{max}≤0,20 mm | s_{max}≤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	≤ |0,15|%	≤ |0,15|%
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	Fmax long side	≥ 1,0 kN/m	≥ 1,0 kN/m
		Fmax 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 717-2:2013-06	Impact sound reduction		ΔL_w = 19 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
EPD				
AFFSET				A+
Floorscore				SCS-FS-05158
Finnish Building Emission				M1: Very low emission, odorless
Formaldehyde emission	EN 717-1:2004-10	No added formaldehyde in production	E1 (≤ 0,124 mg/m³)	< Detection limit
TVOC 28 days	ISO 16000 part 9-6	AgBB requirement after 28 days <1000 µg/m³		< 20 µg/m³
Fire classification	EN 13501-1:2018			Bfl-s1
Thermal resistance	EN 12667:2001-01			0,033 m² K/W
Slip resistance	EN 13893:2002-11		µ ≥ 0,30	DS
	EN 16165:2021-10 Annex B			R10
	BS EN 16165:2021 Annex C (UKSRG)	Wet		Low slip potential (PTV96 ≥ 36)
		Dry		Low slip potential (PTV96 ≥ 36)
	UNE-EN 16165:2022 Annex C Anexo Nacional A (ES)	Wet Dry		PTV_{57} ≥ 22 PTV_{96} ≥ 58
Content	Heavy metals + lead/cadmium			NOT present
Dangerous substances	Carcinogenic, mutagenic or reprotoxic substances class 1A and 1B (candidate list)			NOT present
REACH				Compliant
Plasticizer	Phthalate free plasticizer except recycled content			
Recycled content	Minimum 22% Pre-Consumer Recycled PVC Content			SCS-RC-20324