

luvanto

Technical Specification

Produced to the following standards: ISO 9001; ISO 14001; CE.

Characteristics	Test Method	Design	Design Premium	Click Plus	Click Plus Premium	Endure Pro	Craftsman
Warranty (Years)*	-	Lifetime Domestic Commercial 10	Lifetime Domestic Commercial 10	Lifetime Domestic Commercial 10	Lifetime Domestic Commercial 10	Lifetime Domestic Commercial 20	Domestic 20 Commercial 10
Level of Use	EN685	Heavy Domestic 23 Heavy Commercial 33	Heavy Domestic 23 Heavy Commercial 33	Heavy Domestic 23 Heavy Commercial 34	Heavy Domestic 23 Heavy Commercial 34	Heavy Domestic 23 Heavy Commercial 34	Heavy Domestic 23 Heavy Commercial 34
Total Thickness	EN428	2.5mm	2.5mm	5.0mm (including 1.0mm IXPE underlay) Herringbone – 6.0mm (including 1.0mm IXPE underlay)	5.0mm (including 1.0mm IXPE underlay) Herringbone – 6.0mm (including 1.0mm IXPE underlay) Basketweave 6.0mm / Chevron 8mm (including 1.0mm IXPE underlay)	6.0mm (including 1.0mm IXPE underlay)	5.0mm (including 1.0mm IXPE underlay)
Wear Layer	EN429	0.55mm	0.55mm	0.55mm	0.55mm	0.7mm	0.3mm
Total Weight	EN430	4.55kg/m ²	4.55kg/m ²	Planks & Tiles – 8.18kg/m ² Herringbone – 9.82kg/m ²	Planks & Tiles – 8.18kg/m ² Herringbone – 9.82kg/m ²	8.63kg/m ²	7.14kg/m ²
Dimensions (Planks)	EN427	152mm x 914mm 184mm x 1219mm	192mm x 1230mm	180mm x 1220mm	228mm x 1220mm	181mm x 1220mm	178mm x 1218mm
Dimensions (Tiles)	EN427	305mm x 305mm 305mm x 610mm	-	305mm x 610mm	305mm x 610mm		305mm x 610mm
Dimensions (Herringbone)	EN427	76.2mm x 304.8mm 107mm x 534mm	107mm x 534mm	126mm x 630mm	126mm x 630mm		-
Surface Treatment	-	PU	PU	PU	PU	PU	PU
Sound Reduction	ISO 10140-3/ISO717-2	4dB	4dB	21dB	21dB	22dB	21dB
Slip Resistance	DIN 51130	R10	R10	R10	R10	R10	R9
Pendulum Test	BS7976-2:2002	Dry 62 (Low)/Wet 50 (Low)	Dry 64 (Low)/Wet 58 (Low)	Dry 63 (Low)/Wet 53 (Low)	Planks and Herringbone Dry 64 (Low)/Wet 58 (Low) Tiles Dry 74 (Low)/Wet 62 (Low) Basketweave Dry 73 (Low)/Wet 66 (Low) Chevron Dry 73 (Low)/Wet 67 (Low)	Dry 62 (Low)/Wet 38 (Low)	Dry 68 (Low)/Wet 52 (Low)
Abrasion Resistance	EN660-2	Group T	Group T	Group T	Group T	Group T	EN 16511:2014 Class 33 (≥ 2000 cycles)
Residual Indentation	EN433	<0.1mm	<0.1mm	<0.1mm	<0.1mm	<0.1mm	<0.1mm
Castor Chair Resistance	EN425/ISO 4918 25000 cycles	Pass	Pass	Pass	Pass	Pass	Pass
Colour Fastness to Light	ISO 105 B02	>6	>6	Grade 6	Grade 6	Grade 6	Grade 6
Dimensional Stability	EN434	<0.25%	<0.25%	<0.25%	<0.25%	<0.15%	
Squareness and Straightness	EN427	<0.12mm / <0.15mm	<0.12mm / <0.15mm	<0.08mm / <0.10mm	<0.08mm / <0.10mm	<0.08mm / <0.10mm	<0.08mm / <0.10mm
Stain Resistance	EN423	Pass	Pass	Pass	Pass	Pass	EN 438-2 Class 5 (unchanged)
Flammability	EN13501-1:2007	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1
Formaldehyde Emission	EN14041:2004	Class E1	Class E1	Class E1	Class E1	Class E1	Not detected
Fungi Resistance	ISO846			Growth Intensity 0	Growth Intensity 0	Growth Intensity 0	
Waterproof	-	100%	100%	100%	100%	100%	100%
VOC Emission	-	A+	A+	A+	A+	A+	A+
REACH	EC No 1907/2006	Pass	Pass	Pass	Pass	Pass	Pass
Thermal Resistance	m ² K/W	0.0112	0.0112	0.03	0.03	0.03	0.015
Underfloor Heating	-	Suitable, Max 27°C	Suitable, Max 27°C	Suitable, Max 27°C	Suitable, Max 27°C	Suitable, Max 27°C	Suitable, Max 27°C

* Refer to the latest Luvanto Fitting Guidelines & Warranty for terms and conditions.