

Expona EnCore Rigid Loc PUR



PRODUCT SPECIFICATION

Key Features

- > Authentically replicated wood plank designs
- > Interlocking 5G-i planks for quick installation
- > 19dB acoustic performance
- > Can be laid over existing subfloors
- > Suitable for heavy commercial interiors



5G-i is a patented technology invented by Välinge Innovation AB. The 5G-i word mark and logo are registered trademarks owned by Välinge Innovation AB and any use of such marks is under license.



Product Format	Standard	Result
Gauge	ISO 17539 (EN 428)	6.5mm
Wear Layer	ISO 24340 (EN 429)	0.55mm
IXPE Acoustic Layer		1mm
Joint Profile		5G-i
Total Weight	ISO 23997 (EN 430)	10,800g/m ²
Finish		PUR

Plank Sizes	Size	Shades	Quantity per Box	Coverage per Box/Roll
Plank	177.35mm x 1212.4mm	7	10	2.15m ²
	196.4mm x 1212.4mm	5	9	2.14m ²

Performance Requirements	Standard	Result
General Performance	EN 16511	Conforms
	ASTM F3621	Conforms
Use Area	ISO 10874 (EN 685)	23, 34
Slip Resistance	EN 13893	Class DS
	DIN EN 16165 Ann. B	R10
	ASTM D2047	SCOF ≥0.5
	AS 4586 Appendix D	R10
Binder Content	ISO 10582	Type I
Abrasion Resistance	EN 649	Group T
	ISO 24338 Method B	≥ 7000 cycles
Reaction to Fire	EN 13501-1	Class Bfl-S1
	ASTM E662	<450 Pass
	ASTM E648	Class 1
	CAN/ULC S102.2	FSV < 300; SDV < 500
	AS ISO 9239-1	≥8kW/m ²
Residual Indentation	ISO 24343-1	≤0.10mm*
	ASTM F970	≤0.005" @ 750psi
	ASTM F1914	≤0.005"
Castor Chair (continuous use)	ISO 4918 (EN 425)	Suitable

Impact Resistance	EN 13329 Annex F	Pass ≥1800mm
Dimensional Stability	ISO 23999 (EN 434) ASTM F2199	≤0.15% Pass
Thermal Resistance	ISO 12667	0.0346m ² K/W
Underfloor Heating		Suitable, max 27°C
Light Fastness	ISO 105-B02 (Method 3)	≥6
Resistance to Light	ASTM F1515	ΔE ≤ 8.0 - Meets
Resistance to Heat	ASTM F1514	ΔE ≤ 8.0 - Meets
Furniture Leg	ISO 16581 (EN 424)	Pass
Swelling	EN ISO 24336	Pass (0.0%)

*Average test value from current production.

Sustainability	Standard	Result
Product Specific EPD	EN 15804+A2	Available
Recyclable		100%
Recycled Content		Up to 15%
REACH		Compliant
Indoor Air Comfort Gold		Eurofins certified product
FloorScore		Certified
Finnish M1 Classification		Certified
AgBB/ABG		Pass
Responsible Sourcing	SA 8000	Approved factory

Acoustic Performance	Standard	Result
Impact Sound Reduction	ISO 10140-3	19dB
Impact Sound Transmission Reduction	ASTM E2179	Delta IIC 53
Sound Transmission Coefficient	ASTM E90/492	STC 54
Impact Insulation Class	ASTM E90/492	IIC 55

Maintenance Performance	Standard	Result
Resistance to Chemicals	ISO 26987 (EN 423) ASTM F925	Good resistance Good resistance

Regular light maintenance is more cost-effective than periodic heavy maintenance and more beneficial to the floor covering.



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RANGE SHADES

177.35mm x 1212.4mm
6.98" x 47.73"




Icelandic Oak **9025**   LRV 34



Summerhouse Oak **9026**  LRV 33



Rice Wine Oak **9028**   LRV 43



Eden Ash **9027**   LRV 23




Log Cabin Oak **9029**   LRV 23



Rich Hazel Oak **9031**  LRV 16



Tennessee Oak **9032**   LRV 10

196.4mm x 1212.4mm
7.73" x 47.73"



Moorland Oak **9033**  LRV 28



Parisian Limed Oak **9034**  LRV 37



Harbour Side Oak **9035**  LRV 37




Treehouse Oak **9036**   LRV 26



Shingle Oak **9037**  LRV 22

LRV - Light Reflectance Value

 Micro Bevelled Edges

 Colour/Pattern Variation

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