























	Standard	Result
 Size	ISO 24342	See separate table
 Thickness	ISO 24346	4.5 mm
 Wear layer	ISO 24340	0.5 mm
Surface treatment		K-Guard+ PU coating
Backing		PVC Friction Pad
Warranty <sup>1</sup>	Commercial Residential	15 years wear Lifetime wear
 Bevelled edge		No
 Standards	ASTM F1700	Pass
 Classification	ISO 10874 - Commercial ISO 10874 - Domestic	33: Commercial heavy 23: Domestic heavy
 Reaction to fire	AS/NZS ISO 9239.1:2003	CRF: 8.3 kW/m <sup>2</sup> Smoke Value: 143% min.
 Staining resistance	EN ISO 26987/EN 423 ASTM F925	Excellent Pass
 Light fastness	ISO 105-B02 ASTM F1515	Pass (≥ 7) Pass (< 8)
 Abrasion resistance	EN 649 ISO 10582 ASTM D3884	Group T Type 1 Pass
 Flexibility	ISO 24344	Pass
 Dimensional stability	EN 434/ISO 23999 ASTM F2199	Pass (≤ 0.10%) Pass
 Acoustic impact noise reduction	ISO 140-8 Improved Impact Sound Insulation ASTM E492-09 Impact Insulation Class	$\Delta L_w = 14$ dB IIC 56 dB  Suitable for use on upper floors of residential high-rise apartment buildings without the need for a separate acoustic underlay under certain build specifications - precise details available from Karndean.  NCC 2016 F5.3 (a) result refer to Karndean INSUL Marshall Day Software report for your MULTI Res specification including AAAC Star rating
 Electrical behaviour body voltage	EN 1815 AATCC 134-1996	Pass Pass
 Indentation - residual	EN 433/ISO 24343-1 ASTM F1914	Pass (≤ 0.1 mm) Pass (< 8%)
 Castor chair continuous use	EN 425/ISO 4918	Pass
 Thermal resistance	ISO 8302	0.0245 m <sup>2</sup> K/W Suitable for underfloor heating. Max 27°C
 Slip resistance <sup>2</sup>	AS/NZS 4586:2013	See separate table
 Adhesive		Karndean Hi-Tack PS Adhesive when applicable; please refer to our installation instructions.
 Environmental	GBCA/NZGBC GreenStar Rating System Floorscore SCS-EC10.3-2014 v4.0  Indoor Air Comfort  Environmental Product Declaration  NSF/ANSI 332  ISO 14001 / ISO 9001	GreenTag Level 'A'; LCA Silver Plus; Best Practice PVC Indoor air quality certified; Compliant low emitting VOC emissions.  Gold certification Compliant low emitting VOC emissions.  Product-specific Type III EPD (products with external third-party verification)  Sustainability Assessment for Resilient Floor Coverings; Silver certified product  Manufactured to quality and environment management systems standards
 Recycling		Suitable
 Phthalate free		Yes

<sup>1</sup> Subject to terms

<sup>2</sup> Slip resistance is measured on freestanding ex-factory product. Slip resistance can be affected by many factors including but not limited to: product installation and underlayment, surface contamination, use, wear and how the product is maintained. Textural variation along the surface of the product can affect nominal values.

For more information:

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Product Code	Size		Box Quantity		Slip Resistance Oil-Wet Ramp
	mm	inches	m <sup>2</sup>	Pieces	
LLP92	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP95	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP102	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP105	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP108	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP109	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP112	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP113	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP142	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP146	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP147	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP148	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP150	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP152	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP153	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP154	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP156	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLP157	1050.0 x 250.0	41.34" x 9.84"	3.150	12 Planks	R10
LLT201	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT203	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT208	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT209	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT210	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT211	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT212	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT213	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT216	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT217	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT218	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9
LLT219	500.0 x 610.0	19.69" x 24.02"	3.050	10 Tiles	R9