

Kingswood™ Australis

Technical Data

Product Classification

Type of floor covering	EN ISO 10582	Hybrid Flooring
Classification	ISO 10874	Domestic Heavy Duty (23) Commercial Heavy Duty (33)
Warranty*	Domestic Commercial - available upon request	25 years 15 years

*All warranties are in addition to any rights consumers may have under Australian and New Zealand consumer laws. Terms and conditions apply - for full information in respect to the scope of the residential warranty, please see armstrongflooring.au or armstrongflooring.co.nz or contact our Head Office. For the commercial warranty, contact your Armstrong Flooring representative.

Product Structure

Dimensions (mm)	1830 x 180 x 6.5 mm
Surface treatment	CeraShield™ Surface Technology
Wear layer (mm)	0.55 mm
Bevel	Micro
Core Type	ALITE ® Core Technology™
Backing Type	1.50mm XFD Acoustic Backing™
Locking System	Angle/Angle - Side Tap (Manufactured under license from Uniin BV)

Packaging

Planks/carton	6
m ² /carton	1.98
Kg/carton	17.8

Sustainability

Global GreenTag	GreenRate Level A
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Product Testing		Standard	Requirement	Result
Slip	Wet Pendulum	AS4586	-	P3
Fire	Critical radiant flux	ASISO 9239-1	≥ 4.5kW/m ²	9.9kW/m ²
	Smoke development rate	AS ISO 9239-1	≤ 750%.minutes	85%.minutes
Acoustic	Impact sound insulation - 150mm concrete and drop ceiling – 288mm cavity, 50mm glass wool insulation, 12mm gypsum board	ISO 10140-3 ISO 717-2	≤ 62dB	L _{n,w} = 40dB (6 Star)
	Impact insulation class - 150mm concrete and drop ceiling – 288mm cavity, 50mm glass wool insulation, 12mm gypsum board	ASTM E989-21	-	IIC = 70
	Improvement of impact sound insulation - 200mm concrete slab	ISO 10140-1 ISO 717-2	-	ΔL _w = 20dB
Surface	Abrasion	EN660-1	Group P	Group T
	Castor chair (no IXPE)	ISO4918	≥ 25,000	25,000
	Martindale (wear resistance)	EN16094	MSR-B2	MSR-B1
	UV adhesion	-	≥ 2	2
	Colour fastness	ISO 105-B02	≥ 6	6
Core	Deviation on end click	EN428	+/- 0.12mm	0.00mm
	Dimensional tolerance	EN427	Length ± 0.30mm	Length 0.01mm
			Width ± 0.12mm	Width 0.01mm
	Peel strength	ISO 24345	> 50N	131N
	Shrink-vertical % (80°C 6hr)	ISO 23999	≤ 0.25%	0.03
	Shrink-horizontal % (80°C 6hr)	ISO 23999	≤ 0.25%	0.033
	Curling (80°C 6hr)	ISO 23999	≤ 2 mm	0.1mm
	Click lock strength	EN431	≥ 110N	Horizontal: 177N
				Vertical: 145N
	Residual indentation	ISO 24343	≤ 0.40mm (with IXPE)	0.17mm

AU: www.armstrongflooring.au/kingswoodaustralis
 NZ: www.armstrongflooring.co.nz/kingswoodaustralis

