

RYC FLOORING



Luxury Vinyl Plank Testing and Spec Sheet

Tested Item	Standard	Result	Unit	Conclusion
E.coli ATCC 8739 - Test inoculum	ISO 22196:2011	8.2x10 ⁵	cfu/mL	PASS
Antibacterial activity (R) - E.coli ATCC 8739	ISO 22196:2011	1.02		PASS
Staphylococcus aureus ATCC 6538P - Test inoculum	ISO 22196:2011	4.8x10 ⁵	cfu/mL	PASS
Antibacterial activity (R) - Staphylococcus aureus ATCC 6538P	ISO 22196:2011	0.68		PASS

Tested Item	Standard	Result	Detection Limit	Conclusion
CPSIA section 101(a)(2) - Lead in accessible substrate materials	CPSC-CH-E1002-08.3	ND	10 mg/kg	PASS
Cadmium	BS EN 1122:2001 Method B	ND	0.0002%	PASS
Dibutyl Phthalate (DBP) CAS No. 84-74-2	ISO 17025:2005	ND	0.003%	PASS
Benzylbutyl Phthalate (BBP) CAS No. 85-68-7	ISO 17025:2005	ND	0.003%	PASS
Bis-(2-ethylhexyl) Phthalate (DEHP) CAS No. 117-81-7	ISO 17025:2005	ND	0.003%	PASS
Diisononyl Phthalate (DINP) CAS No. 28553-12-0 / 68515-48-0	ISO 17025:2005	ND	0.003%	PASS
Di-n-octyl Phthalate (DNOP) CAS No. 117-84-0	ISO 17025:2005	ND	0.003%	PASS
Diisodecyl Phthalate (DIDP) CAS No. 26761-40-0 / 68515-49-1	ISO 17025:2005	ND	0.003%	PASS
Bis-hexyl Phthalate (DnHP) CAS No. 84-75-3	ISO 17025:2005	ND	0.003%	PASS
Diisobutyl Phthalate (DiBP) CAS No. 84-69-5	ISO 17025:2005	ND	0.003%	PASS
Bis-isopentyl Phthalate (DIPP) CAS No. 605-50-5	ISO 17025:2005	ND	0.003%	PASS
Diisoheptyl Phthalate (DIHP) CAS No. 71888-89-6	ISO 17025:2005	ND	0.003%	PASS
1,2-Benzenedicarboxylic acid, alkyl esters (DHNUP) CAS No. 68515-42-4	ISO 17025:2005	ND	0.003%	PASS
Bis-methylglycol Phthalate (DMEP) CAS No. 117-82-8	ISO 17025:2005	ND	0.003%	PASS
N-pentyl Isopentyl Phthalate (iPnPP) CAS No. 84777-06-0	ISO 17025:2005	ND	0.003%	PASS
Dipentyl Phthalate (DPP or DNPP) CAS No. 131-18-0	ISO 17025:2005	ND	0.003%	PASS
Di-n-Hexyl Phthalate (DHP) CAS No. 68515-50-4	ISO 17025:2005	ND	0.003%	PASS
ECHA Substances of Very High Concern (SVHC) List of 191 Substances	ECHA	ND		PASS

Tested Item	Standard	Result	Unit	Conclusion
Critical heat flow	EN 13501-1:2018	11.1	kW/m ²	B _f -sl*
Smoke production	EN 13501-1:2018	89%	Min	B _f -sl*
Sliding behavior	EN 13893:2002	μ=0.36-0.39		Class DS
Formaldehyde emission	EN 717-1:2004	< LOD (192 h)		Class E1
Thermal resistance	EN 12667:2001	0.0282-0.0528	m ² K / W	0.028-0.053

ND = Not Detected

For any questions, contact support@rycflooring.com

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LIFE PLANK
STRENGTH FOR LIFE

Luxury Vinyl Plank Spec Sheet

Tested Item	Standard	Detection Limit	Conclusion
Thickness of product with underlayment	ISO 24337	±0.13mm	PASS
Dimension tolerance	ISO 24337	Length: ±1.0mm Width: ±0.15mm	PASS
Dimensional stability (6h, 80°C)	ISO 23999	≤0.2% (305mm)	PASS
Curl (6h, 80°C)	ISO 23999	≤2.0mm	PASS
Peel strength	EN 431	≥20N (25mm, 0.3mm wear layer) ≥30N (25mm, 0.5mm wear layer)	PASS
Color fastness	ASTM F1515	ΔE≤8	PASS
Abrasion resistance	ASTM D6040	≥4,500 cycles (0.3mm wear layer) ≥6,000 cycles (0.5mm wear layer)	PASS
Opening between elements	ISO 24337	Average ≤0.1mm, Individual ≤0.2mm	PASS
Height difference	ISO 24337	Average ≤0.1mm, Individual ≤0.15mm	PASS
Gloss	ISO 2813	4-8 Gu	PASS
Scratch resistance	ISO 1518	≥2000 grams	PASS
Residual indentation	ASTM F1914	≤3%	PASS
Static load	ASTM F970-17	Pass 720psi @ 0.007"	PASS
Impact resistance	ASTM F1265-03a	No breaks or cracks	PASS
Resistance to chemicals	ASTM F925-13	No more than slight change in surface dulling	PASS
Impact insulation class (IIC)	ASTM E 492-09 / 989-18	N/A	PASS
Sound transmission class (STC)	ASTM E 90-09 / 413-16	N/A	PASS
Burning behavior	EN 13501	BSf-1	
Slip resistance	EN 13893	Class DS	
Static coefficient of friction	ASTM D2047-17	Dry: 0.42 / Wet: 0.61	
Thermal resistance	EN 12667	0.028 - 0.053 m²K / W	
Formaldehyde emission	EN 717	Class E1	

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