


Wood Essence 180 / 200® technical specifications

description

performance

Characteristics	Standards	Units	Wood Essence® 180	200
Description			Multi-layered heterogeneous vinyl	
General performance	BS EN ISO 10874: 2012	Class	34 / 43	
	BS EN 649 : 2011	Group	T	
Usage			heavy foot traffic	
Special treatment			PUR : no wax no polish Glass fibre grid reinforcement	
Overall thickness	EN 428	mm	1.80	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	0.30	0.70
Weight	EN 430	g/m ²	3100	3400
Sheet size	EN 426	m (width)	2	
		m (length)	15 / 20	
		m ² (surface area)	30 / 40	
Tile size	EN 427	mm x mm	300 x 300	
			500 x 500	
			610 x 610	
Abrasion resistance	EN 660 -2	Group	T	
	EN 660 -2	Volume loss mm ³	< 2	
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40	
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)	
	ASTM F970 (static load)	psi	800	
	ASTM F1914	inches	0.001	
Slip resistance	DIN 51130		R 10	
	AS / NZS 4586 (wet pendulum)	Class	X (medium slip potential)	
	EN 13893	Coefficient of friction	DS (> 0.30)	
	ASTM D2047		Pass (0.70 avg)	
Dimensional stability	EN 434	%	≤ 0.40	
Flexibility	EN 435	mm	< 20	
	ASTM F137		Pass	
Castor chair test	EN 425	Type of use	Continuous	
Sound insulation	EN ISO 717-2	Δ Lw = dB	4	
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8	
	EN ISO 11925-2: 2010		Pass	
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1	
	ASTM E648-06	Type	1	
Static electrical propensity	EN 1815	kV	< 2.0	
Electrical resistance	EN 1081	Ω	10 ¹⁰	
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00752	
	ASTM 1514		Pass	
Smoke density	ASTM E 662-05	Dm	< 450	
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6	
Walking resonance	NF XPS 31 074		NA	
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)	
	ASTM F925		Pass	
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)	
	ASTM G - 21		Does not favour growth	
	ASTM D3273		Pass	
Clean rooms	ASTM F51/68	Class	NA	
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)	
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2	
	US Coast Guard Approved		(Surface Flammability / Heat Release)	
	Marine Equipment Directive		1121	



*NA - Not applicable

2.5 mm and 3mm thicknesses available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.