

## Petra RQ® technical specifications

description

performance

Characteristics	Standards	Units	Petra RQ®
Description			Non-directional homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic / heavy duty
Special treatment			RQ Protect : no wax no polish for life
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	2.00
Weight	EN 430	g/m <sup>2</sup>	2800
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m <sup>2</sup> (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 <sup>3</sup>	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) 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	ΔLw = dB	4
Reaction to fire	EN ISO 9239-1 : 2010	kW/m <sup>2</sup>	≥ 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 <sup>10</sup> (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	m <sup>2</sup> k/W	< 0.00568
	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	dB	4
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	A, non shedding
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 

