

VITAL FLOORING

SPC Flooring

Product description: 1220 x 180 x 5.0/0.5mm + 1.0mmIXPE

Technical Data Sheet

Edition 02.2021



Level of use 34 - Very Heavy Commercial (Areas with intense use)

ISO 10874 / EN 685

Characteristics		Requirements	PD Values	Test Method
General appearance	Openings between elements, (<i>o</i>)	<i>o</i> average $\leq 0,15$ mm <i>o</i> max. $\leq 0,20$ mm	<i>o</i> average $\leq 0,04$ mm <i>o</i> max. $\leq 0,06$ mm	ISO 24337
	Height difference between connected elements, (<i>h</i>)	<i>h</i> average $\leq 0,10$ mm <i>h</i> max. $\leq 0,15$ mm	<i>h</i> average $\leq 0,05$ mm <i>h</i> max. $\leq 0,06$ mm	ISO 24337
	Flatness of the element - in the length, (<i>f_l</i>)	<i>f_l</i> , concave $\leq 0,50$ % <i>f_l</i> , convex $\leq 1,00$ %	<i>f_l</i> , concave $\leq 0,00$ % <i>f_l</i> , convex \leq N/A %	ISO 24337
	Flatness of the element - in the width, (<i>f_w</i>)	<i>f_w</i> , concave $\leq 0,15$ % <i>f_w</i> , convex $\leq 0,20$ %	<i>f_w</i> , concave $\leq 0,02$ % <i>f_w</i> , convex \leq N/A %	
Dimensional stability due to variation of temperature		$\leq 0,25\%$	Length average -0.05% Width average -0.05% Curling average 0.10mm	ISO 23999
Color fastness	Cycle A1, Method 3	N/A	Grade 6	ISO 105-B02
Abrasion resistance	Method A	≥ 4000 cycles AC4	>4000 cycles	EN 13329
	Method B	≥ 7000 cycles	>7000 cycles	EN 15468
Micro-scratch resistance	Procedure A	\leq MSR-A2	MSR-A1	EN 16094
	Procedure B	\leq MSR-B2	MSR-B2	
Impact resistance	Big ball	≥ 1800 mm	1800 mm	EN 13329
Effect of a furniture leg		No damage shall be visible, when tested with foot type 0	No visible damage	EN 424
Castor chair resistance		25 000 cycles, No damage	Pass 25000 cycles	EN 425
Thickness swelling	Length direction	≤ 12 %	0.04%	ISO 24336
	Width direction			
Locking strength - long side		$f_{l0,2} \geq 2,0$ kN/m	6.12	ISO 24334
Locking strength - short side		$f_{s0,2} \geq 3,5$ kN/m	5.69	
Resistance to staining	group 1 and 2	Grade 5	Grade 5	EN 438-2
	group 3	Grade 4	Grade 4	
Additional features if applicable				
U-Protect - resistant to oil-based marker		N/A	Rating 5 (No change)	PD internal method
Phthalate content test		0.10%	Not detected	EN 14372
Heavy metal migration		Limit 10mg/kg - 100mg/kg	Not detected	EN 71-3
SVHC (Substance of very high concern)		Report limit 0.05% (whole product)	Not detected	REACH
IIC (Calculated Impact Insulation Class)		N/A	54	ASTM E492-09
STC (Calculated Sound Transmission Class)		N/A	53	ASTM E90-2009
Slip resistance		N/A	Rating 10	DIN 51130

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