

TRESPA® DECORATIVE THIN LAMINATE

SCIENTIFIC SURFACE SOLUTIONS

MATERIAL PROPERTY DATASHEET

Decorative high-pressure compact laminates of thicknesses of 3 mm (± 0.12 in) and 4 mm (± 0.16 in) for interior scientific surface solutions. Sheets consisting of layers of natural fibres (paper and/or wood) impregnated with thermosetting resins and surface layer(s) on one sides, having decorative colours or designs. A transparent topcoat is added to the surface layer and cured by Trespas unique in-house technology Electron Beam Curing (EBC). These components are bonded together with simultaneous application of heat and high specific pressure to obtain a homogeneous material.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT	RESULT ^{AB}
SURFACE QUALITY				
	EN 438-2 : 4	Spots, dirt, similar surface defects	mm ² /m ²	≤ 1
			in ² /ft ²	≤ 0.0001
		Fibres, hairs & scratches	mm/m ²	≤ 10
			in/ft ²	≤ 0.036
DIMENSIONAL TOLERANCES				
	EN 438-2 : 5	Thickness	mm	$3.0 \leq t \leq 4.0$: +/- 0.30
			in	$0.12 \leq t \leq 0.16$: +/- 0.012
	EN 438-2 : 6	Length & width	mm	+ 10 / - 0
			in	+ 0.39 / - 0
	EN 438-2 : 7	Straightness of edges	mm/m	≤ 1
			in/ft	≤ 0.012
PHYSICAL PROPERTIES				
Resistance to surface wear	EN 438-2 : 10	Wear resistance - Revolutions (min)	Initial point	≥ 150
			Wear value	≥ 200
Resistance to scratching	EN 438-2 : 25	Force	Rating (min)	≥ 4
Resistance to dry heat (160° C / 320° F)	EN 438-2 : 16	Appearance	Rating (min)	≥ 4
Resistance to wet heat (100° C / 212° F)	EN 438-2 : 18	Appearance	Rating (min)	≥ 4
Resistance to immersion in boiling water	EN 438-2 : 12	Mass increase (% max)	$t \geq 6$ mm	≤ 1
		Thickness increase (% max)	$t \geq 6$ mm	≤ 1
		Appearance	Rating (min)	≥ 4
Dimensional stability at elevated temperature	EN 438-2 : 17	Cumulative dimensional change	Longitudinal %	≤ 0.25
			Transversal %	≤ 0.25
Light fastness (Xenon arc)	EN 438-2 : 27	Contrast	Grey scale ISO 105 A02	4-5
Resistance to water vapour	EN 438-2 : 14	Appearance	Rating (min)	≥ 4
OTHER PROPERTIES				
Chemical resistance	SEFA3-2010	Classification	Rating	Pass

A Due to conversion from metric values, the US values provided are approximate.

B All data are related to the products mentioned in the Trespas Toplab^{PLUS} standard delivery programme.

Panels are available in dimensions: 2550 x 1860 mm and 3050 x 1530 mm

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