



TECHNICAL DATASHEET

TRESPA® IZEON®

High Pressure Laminate sheets

PROPERTY		UNIT	VALUE	STANDARD	VARIABLE
General					
Density		g/cm ³	≥ 1,35	EN ISO 1183	
Surface quality	Spots, dirt, similar surface defects	mm ³ /m ²	≤ 2	EN 438-2 : 4	
	Fibres, hairs & scratches		≤ 20		
Mechanical					
Resistance to impact by large diameter ball	Indentation diameter - with drop height 1.8 m	mm	≤ 10	EN 438-2 : 21	6 ≤ t mm
Modulus of elasticity	Stress	MPa	≥ 9000, Curved Elements: ≥ 8000	EN ISO 178	
Flexural strength	Stress	MPa	≥ 120	EN ISO 178	
Tensile strength	Stress	MPa	≥ 70	EN ISO 527-2	
Resistance to fixings	Pull out strength	N	≥ 2000	ISO 13894-1	6 mm
Thermal					
Dimensional stability at elevated temperature	Cumulative dimensional change	Longitudinal %	≤ 0,25	EN 438-2 : 17	
		Transversal %	≤ 0,25		
Thermal resistance / conductivity		W/mK	0,3	EN 12524	
Dimensional tolerances					
Thickness		mm	6,0 +/- 0,40	EN 438-2 : 5	
Flatness		mm/m	≤ 2	EN 438-2 : 9	
Length & width		mm	2130 x 1420 +5 / 0	EN 438-2 : 6	
Straightness of edges		mm/m	≤ 1	EN 438-2 : 7	
Squareness		mm	1,5	Trespa Norm	

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PROPERTY		UNIT	VALUE	STANDARD	VARIABLE
Weather resistance					
Resistance to wet conditions	Mass increase	%	≤ 3	EN 438-2 : 15	
	Appearance	Rating	≥ 4		
Resistance to climatic shock	Flexural strength index (Ds)	Index	≥ 0,95	EN 438-2 : 19	
	Flexural modulus index (Dm)	Index	≥ 0,95		
	Appearance	Rating	≥ 4		
Resistance to artificial weathering (incl. Light fastness)	Contrast	Grey scale ISO 105 A02	4-5	EN 438-2 : 29	<i>West European cycle</i>
	Contrast	Grey scale ISO 105 A03	4-5		
	Appearance	Rating	≥ 4		
Resistance to artificial weathering (incl. Light fastness)	Contrast	Grey scale ISO 105 A02	4-5	Trespa Norm	<i>Florida cycle 3000hrs</i>
	Contrast	Grey scale ISO 105 A03	4-5		
	Appearance	Rating	≥ 4		
Resistance to SO ₂	Contrast	Grey scale ISO 105 A02	4-5	DIN 50018	
	Contrast	Grey scale ISO 105 A03	4-5		
	Appearance	Rating	≥ 4		
Fire classification					
Fire rating EU			D-s2, d0	EN 438-7	t ≥ 6 mm

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