



## LAB TOP COMPACT LAMINATE TECHNICAL DATA SHEET

**LAB TOP COMPACT LAMINATES;** having thickness 2 mm or greater, according to EN 438-4, consisting of a surface of decorative paper(s), one or both sides, impregnated with special resins and a core made of layers of craft paper impregnated with phenolic resins. These laminates are self-supporting they are ready for installation.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT(max or min)	VALUES
<b>SURFACE QUALITY</b>				
Surface Quality	EN 438-4	Spots, dirt and similar surface defects	mm <sup>2</sup> /m <sup>2</sup>	≤1
		Fibres, hairs and scratches	mm/m <sup>2</sup>	≤10
<b>DIMENSIONAL TOLERANCES</b>				
Dimensional Tolerances	EN 438-2.5	Thickness tolerance	mm	2,0≤t<3,0:±0,20
			mm	3,0≤t<5,0:±0,30
			mm	5,0≤t<8,0:±0,40
			mm	8,0≤t<12,0:±0,50
			mm	12,0≤t<16,0:±0,60
			mm	16,0≤t<20,0:±0,70
	mm	20,0≤t<25,0:±0,80		
	EN 438-2.6	Length and width	mm	+10/-0
	EN 438-2.7	Straightness of edges	mm/m	≤1,5
	EN 438-2.8	Squareness	mm/m	≤1,5
EN 438-2.9	Flatness	mm/m	2,0≤t<6,0:≤8	
		mm/m	6,0≤t<10:≤5	
		mm/m	10,0≤t:≤3	
<b>GENERAL PROPERTIES</b>				
Resistance to surface wear	EN 438-2.10	Wear Value	Revolutions	≥ 350
Resistance to immersion in boiling water	EN 438-2.12	Mass increase 2≤t<5	%	5,0 7,0
		Mass increase t≥5	%	2,0 3,0
		Thickness increase 2≤t<5	%	6,0 9,0
		Thickness increase t≥5	%	2,0 6,0
		Appearance-Gloss Finish	Rating (min)	3
		Appearance-Other Finish	Rating (min)	4
		Appearance-Edge	Rating (min)	3
Resistance to water vapor	EN 438-2.14	Appearance-non gloss finish	Rating (min)	4
Resistance to dry heat (160°C)	EN 438-2.16	Appearance-non gloss finish	Rating (min)	4
Resistance to wet heat (100 °C)	EN 438-2.18	Appearance-non gloss finish	Rating (min)	4
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change 2≤t<5	Longitudinal %	≤0,40
		Cumulative dimensional change t≥5	Longitudinal %	≤0,30
		Cumulative dimensional change 2≤t<5	Transversal %	≤0,80
		Cumulative dimensional change t≥5	Transversal %	≤0,60
Resistance to impact with large diameter ball	EN 438-2.21	Indentation diameter 2≤t<6	mm	h 1400/ d≤10
		Indentation diameter t≥6	mm	h 1800/ d≤10
Resistance to crazing	EN 438-2.24	Appearance	Rating (min)	4
Resistance to scratching	EN 438-2.25	Appearance-	Rating (min)	3
Light fastness (Xenon-arc)	EN 438-2.27	Contrast	Grey scale rating	4-5
Flexural modulus	EN ISO 178	Stress	Mpa (min)	9000
Flexural Strength	EN ISO 178	Stress	Mpa (min)	80
Density	EN ISO 1183-1	Density	g/cm <sup>3</sup>	≥1,35
Chemical Resistance	SEFA 3 2010 2.1	Appearance	Rating (Min)	2
Formaldehyde emission	EN 717-2	Classification	Rating	E1