

INTERIOR COMPACT TECHNICAL DATA SHEET

ASD INTERIOR COMPACT LAMINATE ; having thickness 2 mm or greater, according to EN 438-4:2008, consisting of a surface of decorative paper(s), one or both sides, impregnated with melamine resins and a core made of layers of kraft paper impregnated with phenolic resins. These laminates are self-supporting they are ready for installation. They are available the types CGS and CGF.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT (max or min)	VALUES	
				CGS	CGF
CGS	Standard Grade Compact Laminate	EXAMPLES OF TYPICAL APPLICATIONS Wall cladding, partitions doors, cubicles, locker, laboratory bench tops, and various self-supporting components in construction marine and transport industries			
CGF	Fire Retardant Grade Compact Laminate				
SURFACE QUALITY					
Surface Quality	EN 438-4	Spots, dirt and similar surface defects	mm ² /m ²	≤1	
		Fibres, hairs and scratches	mm/m ²	≤10	
DIMENSIONAL TOLERANCES					
Dimensional Tolerances	EN 438-2.5	Thickness tolerance	mm	2,0≤t<3,0: +/-0,20 3,0≤t<5,0: +/-0,30 5,0≤t<8,0: +/-0,40 8,0≤t<12,0: +/-0,50 12,0≤t<16,0: +/-0,60 16,0≤t<20,0: +/-0,70 20,0≤t≤25,0<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: ≤8,0	
	mm/m		6,0≤t<10: ≤5,0		
	mm/m		10,0≤t: ≤ 3,0		
GENERAL PROPERTIES					
Resistance to surface wear	EN 438-2.10	Initial Point	Revolutions	≥ 150	
		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	
Resistance to water vapour	EN 438-2.14	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Resistance to dry heat (180°C)	EN 438-2.16	Appearance-Gloss Finish	Rating (min)	3 3	
		Appearance-Other Finish	Rating (min)	4 4	
Resistance to wet heat (100 °C)	EN 12721:2010	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change 2≤t<5 mm	Longitudinal (%)	≤ 0,40	
		Cumulative dimensional change 2≤t<5 mm	Transversal (%)	≤ 0,80	
		Cumulative dimensional change 5 mm ≤ t	Longitudinal (%)	≤ 0,30	
		Cumulative dimensional change 5 mm ≤ t	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- Smooth finish	Rating (min)	2	
		Appearance- Textured finish	Rating (min)	3	
Resistance to staining	EN 438-2.26	Appearance- Group 1&2	Rating (min)	5	
		Appearance- Group 3	Rating (min)	4	
Light fastness (Xenon-arc)	EN 438-2.27	Contrast	Grey scale rating	4	
Flexural modulus	EN ISO 178	Stress	Mpa (min)	9000	
Flexural strength	EN ISO 178	Stress	Mpa (min)	80	
Tensile strength	EN ISO 527-2	Stress	Mpa (min)	60	
Density	EN ISO 1183	Density	g / cm ³ (min)	1,35	
FIRE PERFORMANCES					
Reaction to fire / CGS	EN 13823	Classification t: 6 mm and thicker	Classification	D-s2,d0	
Reaction to fire / CGF	EN 13823	Classification (t: 6 mm)	Classification	B-s2,d0	
OTHER PROPERTIES					
Formaldehyde emission	EN 717-2	Gas analysis	mg/(m ² *h)	0,5	
		Classification	Rating	E1	