

ASD COLORED CORE LAMINATE; according to EN 438-9, consisting of a surface of decorative paper (s) impregnated with aminoplastic resins and core of which consist of cellulosic fibrous layers impregnated with thermosetting resins. They are available the types BTS and BCS.

BTS	Coloured Core Standard thin laminates (< 2 mm)					
ATP	Coloured Core Standard compact laminates (≥ 2 mm)					
PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT (max veya min)	VALUES		
				BTS	BCS	
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 tolerances (t: nominal thickness)	mm	0,5≤t≤1 : +/-0,15	2,0≤t<3,0:±0,25	
			mm	1,0<t<2,0 : +/-0,18	3,0≤t<5,0:±0,40	
			mm	-	5,0≤t<8,0:±0,50	
			mm	-	8,0≤t<12,0:±0,70	
	EN 438-2.6	Length and width	mm	+10/-0		
	EN 438-2.7	Staightness of edges	mm/m	≤1,5		
	EN 438-2.8	Squareness	mm/m	≤1,5		
	EN 438-2.9	Flatness	mm/m	100	2,0≤t<6,0:≤12,0	
			mm/m		6,0≤t<10:≤8,0	
			mm/m		10,0≤t: ≤5,0 10,0≤t:≤3,0	
GENERAL PROPERTIES						
Resistance to surface wear	EN 438-2.10	Initial point	Revolutions (min)	≥150		
		Wear value	Revolutions (min)	≥350		
Resistance to immersion in boiling water	EN 438-2.12	Appearance- Gloss finish	Rating (min)	3		
		Appearance- Other finish	Rating (min)	4		
		Mass increase	% max 2,0≤t<5,0	-	5,0	
			% max t≥5,0	-	3,0	
		Thickness increase	% max 2,0≤t<5,0	-	6,0	
% max t≥5,0	-		4,0			
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		
		Appearance- Other finish	Rating (min)	4		
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change	t< 2,0 Longitudinal %	0,8	-	
			t< 2,0 Transversal %	1,4	-	
			2,0≤t≤5,0 Longitudinal %	-	0,6	
			2,0≤t≤5,0 Transversal %	-	1	
			t≥5 Longitudinal %	-	0,5	
			t≥5 Transversal %	-	0,8	
Resistance to crazing	EN 438-2.24	Appearance	Rating (min)	-	Surface: 4 Core: 3	
Resistance to scratching	EN 438-2.25	Appearance- Gloss finish	Rating (min)	2		
		Appearance- Other finish	Rating (min)	3		
Resistance to staining	EN 438-2.26	Appearance- Groups 1&2	Rating (min)	5		
		Appearance- Group 3	Rating (min)	4		
Light fastness (xenon arc)	EN 438-2.27	Contrast	Grey scale rating	Surface: 4 Core: 3		
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 1183-1	Density	g/cm ³	≥ 1,40		