

TECHNICAL DATA SHEET

HPL – High Pressure Laminate

	UNIT	6 mm	8 mm	Standard
DIMENSIONAL TOLERANCES				
Thickness	mm	± 0,40	± 0,40	EN 438-2:2005 Clause no.5
Flatness	mm	≤ 2	≤ 2	EN 438-2:2005 Clause no.9
PHYSICAL PROPERTIES				
Density weight	Kg/m ²	8,7	11,6	ISO 1183
OPTICAL PROPERTIES				
Immersion in boiling water (100 °C water for 2 hours)				
Mass increase	%		0,3	EN 438-2
Thickness increase	%		0,5	EN 438-2
Appearance	Rating		4	EN 438-2
Thermal conductivity	W/(mk)		0,23	EN 438-2
MECHANICAL PROPERTIES				
Modulus of elasticity	Mpa		>10000	ISO 178
Flexural strength	Mpa		≥ 100	ISO 178
Tensile strength	Mpa		≥ 70	ISO 527-2
Scratch resistance	Rating		≥ 3	EN 438-2
Resistance to crazing	Rating		≥ 4	EN 428-2
Face screw-holding	N		>5000	ISO 13894-1:2000
Water vapour permeability	μ		Wet cup: 110, Dry cup: 250	ISO12572
Resistance to cigarette burns	Rating		≥ 3	EN 438-2
Abrasing Testing	mg		144,5	EN 438-2:10
Impact Resistance	MBFE		90,4J	ASTMD 256-06a
Linear expansion with change in moisture content	%		0,0065	ASTMD 1307-06a
SAFETY PROPERTIES				
Reaction to fire (on request)			Euroclass B-s1,d0	EN 13501-1
Release of formaldehyde			Class E1	EN 717-1
Factory Production Control (FPC)			ISO 9001 / ISO 14004 / OHSAS 18000	