



STYLAM HIGH PRESSURE LAMINATES - METAL

High Pressure Laminates (HPL) as per EN 438-8 are available in the standard MTS (Metal-Thin HPL-Standard)

SR. NO.	Properties	Test Method	Attributes of Performance	Unit of Measurement	Results (As per EN 438-8)
1	SURFACE QUALITY				
1.1	Surface quality	EN 438-2:2016 (Clause-4)	Spots, dirt and similar surface defects	mm ² /m ²	≤ 1
			Fibres, hairs and scratches	mm/m ²	≤ 10
2	DIMENSIONAL PROPERTIES				
2.1	Thickness	EN 438-2:2016 (Clause-5)	Thickness tolerance	mm	0.5≤T<1 : ±0.15
				mm	1≤T<2 : ±0.18
2.2	Size	EN 438-2:2016 (Clause-6)	Length and width	mm	+ 10 / - 0
2.3	Straightness of edges	EN 438-2:2016 (Clause-7)	Straightness of edges	mm/m	≤ 1.5
2.4	Squareness	EN 438-2:2016 (Clause-8)	Squareness	mm/m	≤ 1.5
2.5	Flatness	EN 438-2:2016 (Clause-9)	Flatness (measured on full-size sheet)	mm/m	100
3	PHYSICAL PROPERTIES				
3.1	Resistance to immersion in boiling water	EN 438-2:2016 (Clause-12)	Appearance	Core delamination Pass or Fail	Pass
3.2	Resistance to water vapour	EN 438-2:2016 (Clause-14)	Appearance	Rating	≥ 3
3.3	Dimensional stability at elevated temperatures	EN 438-2:2016 (Clause-17)	Cumulative dimensional change	Longitudinal %	≤ 0.75
				Transversal %	≤ 1.25
3.4	Resistance to scratching	EN 438-2:2016 (Clause-25)	Force	N	≥ 1
3.5	Resistance to staining	EN 438-2:2016 (Clause-26)	Appearance - Group 1 & 2	Rating	≥ 4
			Appearance - Group 3	Rating	≥ 4
3.6	Resistance to cracking under stress	EN 438-2:2016 (Clause-23)	Appearance	Rating	≥ 1
3.7	Light fastness (Xenon arc)	EN 438-2:2016 (Clause-27)	Contrast	Grey scale rating	≥ 4
3.8	Density	EN ISO 1183-1	Density	gm/cm ³	≥ 1.35

Disclaimer :

Stylam HPL complies with the applicable standards as listed above, but the results may vary due to difference in application of product. STYLAM reserves the right to change product composition and characteristics.