

StyleLite® Product Specifications

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StyleLite laminated board complies with AS/NZS 4386.1 Domestic Kitchen Assemblies for Appearance, Flatness, Wood Substrate and the Adhesive Bonding System.

StyleLite Sheet Properties

Properties	Specification – High Gloss Sheet	Specification – Velvet Sheet	Test Method
Specific Gravity	1:09	1:09	ASTM D792
Water Absorption	<0.5%	<0.5%	ASTM D570
Surface Hardness	3H - 4H	5H	Pencil Hardness
Heat Distortion Temperature	85°C [185°F]	85° C [185° F]	ASTM D648
Service Temperature	70°C [158°F]	70° C [158° F]	Continuous
Burning Resistance	94HB	94HB	UL 94
Gloss Level	90GU	<20GU	Viewed at 60°
Mass 1mm	1.08kg/m ² [0.22 lbs/f2]	1.08kg/m ² [0.22 lbs/f2]	n/a
Surface Energy Rear	50	50	Dyne
Bond Strength	100N (25 Nm)	100N (25 Nm)	AS/ NZS 4266.28
Surface Soundness	1.25 MPa (0.9 MPa min)	1.25 MPa (0.9 MPa min)	AS/NZS 4266.7
Abrasion Resistance	< 1.0% loss of gloss	< 1.0% loss of gloss	500 cycles
Stain Resistance	No effect	No effect	AS/NZS 4266.25
Steam Resistance	No change after 30 minutes	No change after 30 minutes	AS/NZS 4266.23
Cracking Resistance	No effect	No effect	AS/NZS4266.24
Dry Heat Resistance	No loss of gloss or color change	No loss of gloss or color change	AS/NZS 4266.26

Textured Backing Sheet Properties

Properties	Test method ISO	Test method ASTM	Value ISO	Value ASTM
Tensile stress at yield/at break	527	D 638	27 MPa	26 MPa
Ball Indentation Hardness – H132/30, H 358/30	2039-1	-	85	-
Temp. of deflection under load – 1.8 MPa/HDT A	75	-	80°C [176°F]	80°C [176°F]
Specular Gloss (smooth surface; DIN 67530)	-	-	35%	-
Density	1183	-	1.05g/cm ³	-

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StyleLite Panel Properties

Properties	Specification	Test Method
Panel Length	-2 +10mm	Steel tape
Panel Width	-2 +5m	Steel tape
Panel Diagonal	< 3mm	Steel tape
Panel Thickness	+/- 0.5mm	Micrometer
Panel Mass	+/- 5.0%	Calibrated scale
Panel Edges	Face material +/- 2mm from the finished edge of the MDF core. Face and core edges must be parallel to +/- 1mm over the length of the edge.	Steel rule
Useable Surface	The useable surface of the panel will meet or exceed the program size offered, i.e. 2400 x 1200mm of useable area being the most common.	Steel rule
Face Bonding	100% fibre split	Cleavage peel
Flatness	< 2.5mm/1000mm in any direction	Steel tape
Solid Colors	Delta E 1.5 reflected	TS - 075
Metallic Colors	Delta E 2.0 reflected	TS - 075
Woodgrains	Visual match to master	Controlled master
Surface quality for panel face area up to 3.5m ² <small>Specks, dimples or raised sections will not be grouped closer than 100mm</small>	6 Specks <0.5mm; 6 dimples or raised section <3mm; No obvious die or flow lines; No scratches or repeat marks; No pin holes >0.2mm	Visual assessment in moderate interior lighting Board viewed in a vertical condition from a distance of 1000mm.
Surface quality for board back surface	No obvious die or flow lines; No scratches; No repeat marks	As above
Masking	No wrinkles or lifting at the edges, sound adhesion across the face area	Visual
Packaging	Suitable cover board top and bottom with four bearers and heavy duty PE straps. Cell air between each sheet, corner protection fitted and pack fully PE wrapped.	Work instruction
Batch Traceability	Face side masking printed with date of lamination	Process control plan

Metallic and woodgrains can vary in color from batch to batch and individual end use projects should be manufactured from the same batch.