

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

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 of substrate	Cleavage peel
Flatness	< 2.5mm/1000mm in any direction	Steel tape
Solid Colours	Delta E 1.5 reflected	TS - 075
Metallic Colours	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	<i>As above</i>
Masking	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
Fire Behaviour	Group 4 BCA	AS/NZS 3837

Note: Metallic and woodgrains can vary in colour from batch to batch and individual end use projects should be manufactured from the same batch