

Technical Details

Date 07/2025

Property	Units	Value	
Surface Properties			
Face Finish		Modified Polyester Whiteboard / Digital Polyester	
Surface Hardness		> 3H (Whiteboard) / > HB (Digital)	
Paint Thickness	micron	55 (Whiteboard) / 17 +/- 2 (Digital)	
Paint Flexibility		T3	
Coating Mass	g/m ³	80	
UV Print Scratch Test	g/m ³	5B	
Solvent Resistance		MEK > 200 (no base exposed)	
Whiteboard Adhesion	QB/T 4153-2010	Meets Criteria	
Erasability	QB/T 4153-2010	Meets Criteria:initial and over time	
Abrasion Resistance	QB/T 4153-2010	Meets Criteria	
Physical		3mm	6mm
Steel Thickness	mm	0.3	0.3
Panel Weight	Kg/m ²	3.8	6.6
Panel Thickness Tolerance	mm	+/- 0.2	+/- 0.4
Sheet Flatness Tolerance		0 – ≤2mm across any measured point of the panel perimeter from a flat surface	
Steel Thickness Tolerance		± 0.02mm	
Core Composition		100% Recycled, washed & filtered post-consumer LL/LDPE. < 20% LLDPE	
Core Density	g/cm ³	0.94 (+/- 0.03)	
Width Tolerance	mm	0 - +2	
Length Tolerance	mm	0 - +3	
Diagonal Tolerance	mm	0 - +4	
Mechanical		3mm	6mm
Rigidity	kNcm ² /m	1962	8526
Peel Strength	N/mm	> 3	
Tensile Strength of Steel Layers	MPa	450	
Modulus of Elasticity	N/mm ²	210'000	
Thermal			
Temperature Resistance	°C	-20 to +80	
Thermal Expansion	mm/m°C	0.024	
Thermal Resistance	m ² K/W	0.0057	

Fire Classification*

Standard	Class
EN13501 *3mm version only	C s2, d0

Did you know:

Multishield can be safely printed, cut and fabricated like our Alupanel products - ask your sales rep or see the Multipanel UK YouTube page for more information

Warranty:

Multishield has a 5-year warranty for internal use only

