MULTISHIELD
galvanised steel composite sheets

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/m3	80
UV Print Scratch Test	g/m3	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 Properties		3mm	6mm
Steel Thickness	mm	0.3	0.3
Panel Weight	Kg/m²	6.35	8.7
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/cm³	0.94 (+/- 0.03)	
Width Tolerance	mm	0 - +2	
Length Tolerance	mm	0 - +3	
Diagonal Tolerance	mm	0 - +4	

Mechanical		
Peel Strength	N/mm	> 3
Tensile Strength of Steel Layers	MPa	450
Modulus of Elasticity	N/mm²	210'000

Thermal		
Temperature Resistance	°C	-20 to +80
Thermal Expansion	mm/m°C	0.024
Thermal Resistance	m² 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 YouYube page for more information

Warranty:
Multishield has a 5-year warranty for internal use only

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MADE IN BRITAIN