

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 Properties | | 3mm6mm |
| Steel Thickness | mm | 0.30.3 |
| Panel Weight | Kg/m ² | 3.86.6 |
| 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 | | 3mm6mm |
| Rigidity | kNcm ² /m | 19628526 |
| 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 | C s2, d0 |
| *3mm version only | |

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

