

## Technical Details

Mar 2026

| Property                         | Units              | Value                                                                         |
|----------------------------------|--------------------|-------------------------------------------------------------------------------|
| Surface Properties               |                    |                                                                               |
| Face Finish                      |                    | Modified Polyester Whiteboard / Digital Polyester                             |
| Surface Hardness                 |                    | > 3H (Whiteboard) / > HB (Digital)                                            |
| Paint Flexibility                |                    | T3                                                                            |
| Coating Mass                     | g/m <sup>3</sup>   | 80                                                                            |
| UV Print Scratch Test            | g/m <sup>3</sup>   | 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                                                                        |
| Skins                            | mm                 | 0.30.3                                                                        |
| Panel Weight                     | Kg/m <sup>2</sup>  | 6.358.7                                                                       |
| 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/cm <sup>3</sup>  | 0.94 (+/- 0.03)                                                               |
| Width Tolerance                  | mm                 | 0 - +2                                                                        |
| Length Tolerance                 | mm                 | 0 - +3                                                                        |
| Diagonal                         | mm                 | 0 - +4                                                                        |
| Mechanical                       |                    |                                                                               |
| Peel Strength                    | N/mm               | > 3                                                                           |
| Tensile Strength of Steel Layers | MPa                | 450                                                                           |
| Modulus of Elasticity            | N/mm <sup>2</sup>  | 210'000                                                                       |
| Thermal                          |                    |                                                                               |
| Temperature Resistance           | °C                 | -20 to +80                                                                    |
| Thermal Expansion                | mm/m°C             | 0.024                                                                         |
| Thermal Resistance               | m <sup>2</sup> 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

