

## Technical Details

July 2026

| Property                             | Units                                                                         | Value           |
|--------------------------------------|-------------------------------------------------------------------------------|-----------------|
| Physical                             |                                                                               | 3mm             |
| Skin                                 | mm                                                                            | 0.18            |
| Weight                               | Kg/m²                                                                         | 3.36            |
| Face Finish                          | Polyester Paint: Signal White Matt digital                                    |                 |
| Core Composition                     | 100% Recycled LDPE                                                            |                 |
| Panel Thickness Tolerance            | mm                                                                            | +/- 0.2         |
| Sheet Flatness Tolerance             | 0 – ≤2mm across any measured point of the panel perimeter from a flat surface |                 |
| Aluminium Thickness Tolerance        | Complies to EN 485-3                                                          |                 |
| Core Density                         | g/cm³                                                                         | 0.94 (+/- 0.03) |
| Width Tolerance                      | mm                                                                            | 0 - +2          |
| Length Tolerance                     | mm                                                                            | 0 - +3          |
| Diagonal                             | mm                                                                            | 0 - +4          |
| Mechanical                           |                                                                               |                 |
| Rigidity                             | kNcm²/m                                                                       | 444.58          |
| Surface Pencil Hardness              | > HB                                                                          |                 |
| Toughness of Coating                 | 3T                                                                            |                 |
| Peel Strength                        | N/mm                                                                          | > 3             |
| Tensile Strength of Aluminium Layers | MPa                                                                           | 158             |
| Modulus of Elasticity                | N/mm²                                                                         | 70'000          |
| Gloss Level Tolerance                | +/- 5%                                                                        |                 |
| Thermal                              |                                                                               |                 |
| Temperature Resistance               | °C                                                                            | -20 to +80      |
| Thermal Expansion                    | mm/m°C                                                                        | 0.024           |
| Thermal Resistance                   | m² K/W                                                                        | 0.0057          |

### Fire Classification\*

| Standard     | Classs  |
|--------------|---------|
| EN13501      | C-s2-d0 |
| *PE finishes |         |

### Warranty:

Alupanel Impact with a PE paint finish has a 1-year limited warranty for external use.

### Did you know...

**Recycling:** All products from the Alupanel range can be recycled after use- ask your sales rep about our Closed Loop Recycling Scheme

**Fire Rating:** for projects in public areas and events which require a higher level of fire rating we also have a Alupanel M1 core version of the product- ask your sales rep for more information.

