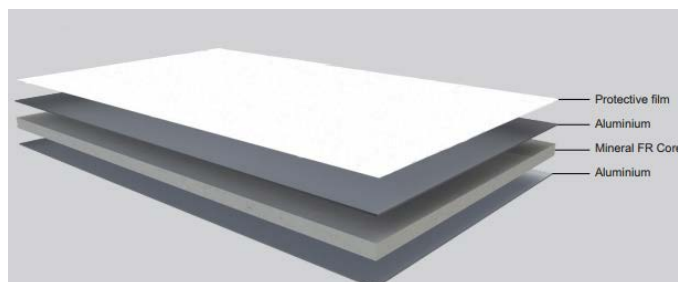


## NOVABOND L



### Product Description

4mm Aluminium Composite Panel (ACP) comprised of three principle layers, two layers of 0.5mm aluminium sandwiching a 3mm fire rated (FR) mineral filled core.

### Features

- Fully tested and certified
- Strong and flexible product
- Long term performance

### Panel Applications

- façade and architectural cladding applications.

### Aluminium skin features

|                                |                                       |
|--------------------------------|---------------------------------------|
| Alloy                          | 5005 UNE-EN 573-3                     |
| Ultimate tensile strength (Rm) | 125 < Rm < 140 [N/mm <sup>2</sup> ]   |
| Yield strength (Rp0,2)         | 80 < Rp0,2 < 120 [N/mm <sup>2</sup> ] |
| Elongation (A)                 | >7 [%]                                |
| Modulus of elasticity (E)      | 70000 [N/mm <sup>2</sup> ]            |
| Thermal expansion              | 2,3 [mm/m] Δ100°C                     |
| Density                        | 2700 [kg/m <sup>3</sup> ]             |

### Mechanical features of the panel

|                            |  |
|----------------------------|--|
| Moment of inertia (I)      | 2637 [mm <sup>4</sup> /m]                      |
| Rigidity (EI)              | 1846 [kNcm <sup>2</sup> /m] DIN 53293          |
| Section modulus (W)        | 1317 [mm <sup>3</sup> /m] DIN 53293            |
| Audible reduction (RW)     | 28 [dB] UNE-EN ISO 717-1                       |
| Acoustic insulation (R(A)) | 26,6 [dBA] NBE-CA-88                           |
| Thermal resistance (R)     | 0,0125 [m <sup>2</sup> K/W] UNE 92-202 89:1989 |
| Thermal conductivity (λ)   | 0,32 [W/mK] UNE 92-202-89:1989                 |
| Temperature resistance     | -50°C / +80°C                                  |

### Reaction to fire test

Complies with the Building Code of Australia:

- BCA Volume One 2014: Performance requirements CP2 & CP4 for wall cladding (see conditions h, i & k).
- BCA Volume One 2014: C1.10 Fire Hazard Properties, including NSW state variation for wall cladding (see conditions h, i & k).
- BCA Volume One 2014: Specification C1.1 Fire-Resisting Construction, 2.4 Attachments not to impair fire-resistance (a) i (see condition j).

### Maintenance

Contact Novaproducts Global for maintenance documents

### Warranty

15 Years

|          |                        |
|----------|------------------------|
| TYPE     | External Cladding      |
| DESIGN   | NOVABOND L             |
| MATERIAL | Aluminium Composite    |
| CORE     | Mineral Fire Resistant |

### Specification of the Panel

|                          |                                 |
|--------------------------|---------------------------------|
| Total Thickness          | 4 [mm]                          |
| Internal skin thickness  | 0,5 [mm]                        |
| External skin thickness  | 0,5 [mm]                        |
| Weight                   | 5,56 [kg/m <sup>2</sup> ]       |
| Standard width           | 1000 - 1250 - 1500 [mm]         |
| Minimum / Maximum width  | 900 / 1650 [mm]                 |
| Minimum / maximum length | 2000 / 8000 [mm]                |
| Thickness Tolerance      | -0 / +0,2 [mm]                  |
| Width tolerance          | -0 / +2,5 [mm]                  |
| Length tolerance         | -0 / +20 [mm]                   |
| Diagonal tolerance       | ±3 [mm/m]                       |
| Core                     | LDPE (Low Density Polyethylene) |

### Colour Range

