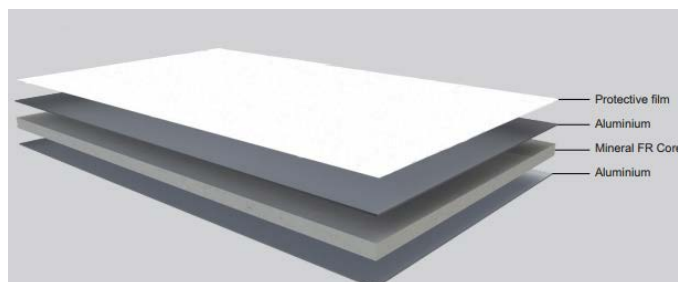


## NOVABOND L



### 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

10 Years. May be limited to 5 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

