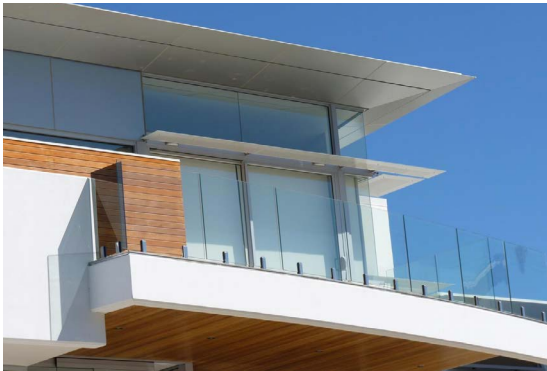


NOVABOND M



Product Description

0.5mm Aluminium coated with 30 micron layer of polyvinylidene difluoride (PVDF) paint bonded to FR core bonded to 0.5mm Aluminium coated with polyethylene (PE) primer protective finish.

Features

- Lightweight, yet rigid
- Versatile and easily formable
- Highly resistant to weather

Panel Applications

- Facade and Architectural Cladding

Resistance

Temperature resistance	-50oC to +80oC
Resistance to cracking on rapid deformation	No cracking
Resistance to cracking on bending (EN 13523-7)	1.5 ≤ T
Resistance to Salt spray (EN 13523-8)	1,000h No difference
Resistance to immersion in water (EN 13523-9)	1,000h No difference
Humidity resistance (ASTM-D 2247-68)	1,000h No difference
Acid resistance (EN 1396)	Class 3
Accelerated bad weather resistance (EN 13523-10)	Gloss ≤10%
Chalking (13523-14)	≤10%

Fire Testing

Australian standard	AS/NZS 1530.3-1999
Test Number:	16-005138
Face tested:	Face
Date tested:	03/10/2016
	Standard Error Mean
Ignition time	Nil Nil min
Flame propagation time	Nil Nil sec
Heat release integral	Nil Nil kJ/m ²
Smoke release, log d	0.0379 -1.8762
Optical density, d	0.0135 / metre
Number of specimens ignited:	0
Number of specimens tested:	6
Regulatory Indices:	
Ignitability Index	0 Range 0-20
Spread of Flame Index	0 Range 0-10
Heat Evolved Index	0 Range 0-10

Maintenance

Contact Novaproducts Global for maintenance documents

Warranty

Contact Novaproducts Global for Warranty information

TYPE External Cladding

DESIGN NOVABOND M

MATERIAL Aluminium Composite

CORE Mineral Fire Resistant

Specification of the Panel

Panel thickness	4mm
Aluminium thickness	0.5mm
Alloy	3000 - 5000 series alloys available
Face Finish	Coil coated Fluoropolymer (PVDF or FEVE) + HDPE
Weight kg/mm ²	7.44
Bond integrity N/mm	13.05
Tensile strength kg/mm ²	6.0
Rigidity kN m ² /m	0.371
Bending strength Mpa	127
Bending elastic modulus Mpa	1007
Yield strength kg/mm ²	2.6
Elongation at rupture (I0 = 5.65 AO12 -%)	14.1

Colour Range



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