

NEOBOND®

NEOBOND® exterior is composed of thermoplastic core sandwiched between two skins of 0.5 mm (or 0.3 mm) thick aluminium. Coated with KYNAR 500 PVDF paint, NEOBOND® exterior provides one of the strongest chemical bonds known.

Composition		
General properties	Standard values	Custom values
Panel thickness	4 mm	3, 6 mm
Aluminium thickness	0,50 mm	0,50 mm
Panel width	1250, 1575 mm	1000, 1500, 2000 mm
Panel length	3200 mm	< 5700 mm

Mechanical properties	Standard values
Weight, kg/m ²	7.50
Bending strength, EJ [kN cm ² /m]	860
Bending elastic modulus, N/mm ²	70 000
Penetrating resistance, kN	9.8
Tensile strength, N/mm ²	R _m : 145-185
Shearing strength, MPa	30.1
180°C peel strength	10.0
Thermal expansion coefficient, mm/m Δ=100°C	2.8
Heat distortion temperature, °C	105

Williams Ltd.

NEOBOND®
Aluminium Composite Panel

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