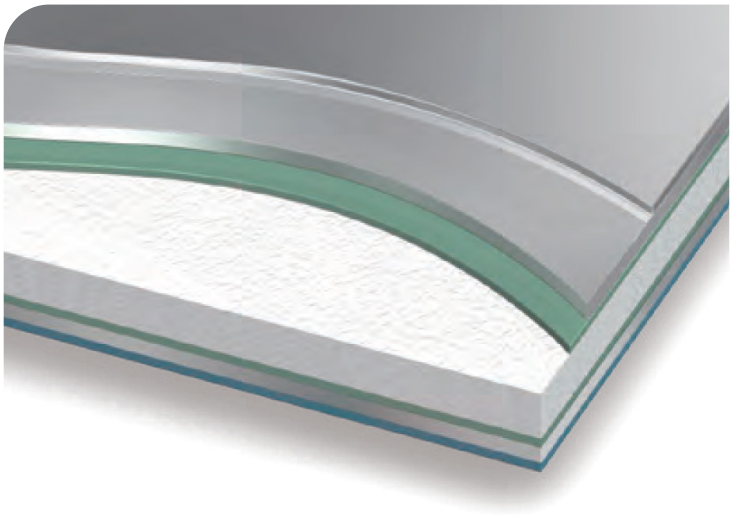
SUBDUE® NC



non-combustible aluminium composite material

Subdue® NC is a fire safe aluminium composite material with a non-combustible mineral core that contains zero polyethylene.

Subdue® NC can be used as an exterior or interior cladding and roof coverings in both new buildings and re-clad applications wherever a non-combustible material is required.

Subdue® NC is Pyrotek branding for ALPOLIC™ NC which is a registered trademark owned by Mitsubishi Chemical Infratec Co., Ltd used with permission for Pyrotek

SPECIFICATIONS

Colour	Standard colour is Milk White - other colours available depending on MOQ (See Colour Guide Below)
Thickness	4 mm
Width	1270, 1575 mm (tolerance; ± 2.0 mm)
Bow Tolerance	± 0.5 % of the length or width
Skin Thickness	0.5 mm
Length	1800 - 7200 mm (tolerance; ± 1.0 mm/m)
Diagonal difference	Max 5.0 mm

applications

- Light-weight cladding
- Interior and exterior buildings
- Cabin wall linings

features

- Excellent UV resistance
- Anti corrosion coating
- Easy to cut
- Superior rigidity
- Recyclable and environmentally friendly
- 20 year coating warranty
- Tested to AS 1530.1 and AS 1530.3

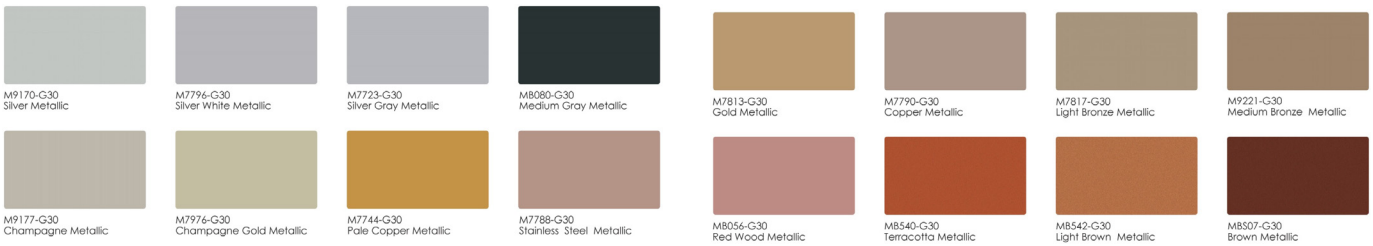
CHARACTERISTICS (for standard dimension)

		Method	Unit	
Physical properties	Thickness	-	mm	4
	Specific gravity	-	-	2.15
	Weight	-	kg/m^2	8.6
	Thermal expansion	ASTM D696	x10^{-6} / °C	20.6
	Thermal conductivity	Calculated value	W/m-K	0.4
	Deflection temperature	ISO 75-2	°C	11.5
Mechanical properties of composite material	Tensile strength	ASTM E8	MPa, N/mm^2	48.2
	0.2 % proof stress	ASTM E8	MPa, N/mm^2	46.5
	Elongation	ASTM E8	%	2.7
	Flexural elasticity, E	ASTM C393	GPa, kN/mm^2	45.6
	Fire tests for general and external cladding material	AS 1530.1	-	Not deemed combustible *
		AS 1530.3	Ignitability, flame propagation, heat and smoke release	0, 0, 0, 0
Sound transmission loss		ASTM E413		27

** AS 1530.1 is combustibility test of the core material*

Solid Colours

Metallic Colours



For further information and contact details, please visit our website pyroteknc.com