

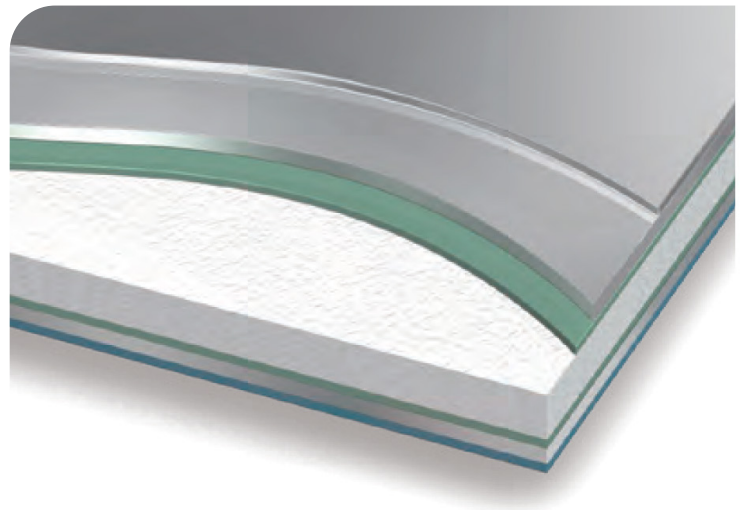
## SUBDUE® NC

### 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)

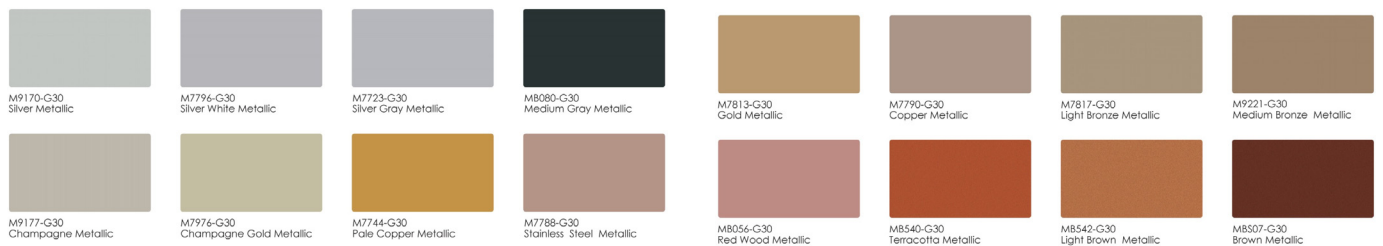
		Method	Unit	
Physical properties	Thickness	-	mm	4
	Specific gravity	-	-	2.15
	Weight	-	kg/m <sup>2</sup>	8.6
	Thermal expansion	ASTM D696	x10 <sup>-6</sup> / °C	20.6
	Thermal conductivity	Calculated value	W/m-K	0.4
	Deflection temperature	ISO 75-2	°C	11.5
Mechanical properties of composite material	Tensile strength	ASTM E8	MPa, N/mm <sup>2</sup>	48.2
	0.2 % proof stress	ASTM E8	MPa, N/mm <sup>2</sup>	46.5
	Elongation	ASTM E8	%	2.7
	Flexural elasticity, E	ASTM C393	GPa, kN/mm <sup>2</sup>	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](http://pyroteknc.com)

*Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical or fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights.*

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