

Non-combustible Certifications

See extract below from NCC 2019 C1.9 regarding the use of non-combustible products:

- (e) The following materials may be used wherever a *non-combustible* material is required:
- (i) Plasterboard.
 - (ii) Perforated gypsum lath with a normal paper finish.
 - (iii) Fibrous-plaster sheet.
 - (iv) Fibre-reinforced cement sheeting.
 - (v) Pre-finished metal sheeting having a *combustible* surface finish not exceeding 1 mm thickness and where the *Spread-of-Flame Index* of the product is not greater than 0.
 - (vi) *Sarking-type materials* that do not exceed 1 mm in thickness and have a *Flammability Index* not greater than 5.
 - (vii) Bonded laminated materials where—
 - (A) each lamina, including any core, is *non-combustible*; and
 - (B) each adhesive layer does not exceed 1 mm in thickness and the total thickness of the adhesive layers

See extract below from AS/NZS 1530.3-1999 on the powder coat finish:

End Use : Architectural Aluminium Coating
 Nominal Composition : Polyester resin powder coating
 Nominal Mass per Unit Area/Density : 1.2-1.7 g/m²
 Nominal Thickness : 60-80um

AS/NZS 1530.3-1999

**Methods for Fire Tests on Building Materials, Components and Structures
 Part 3: Simultaneous Determination of Ignitability,
 Flame Propagation, Heat Release and Smoke Release**

Face tested:	Face		
Date tested:	02/12/2016		
	Standard Error	Mean	
Ignition time	0.10	7.98	min
Flame propagation time	Nil	Nil	sec
Heat release integral	2.0	16.9	kJ/m ²
Smoke release, log d	0.0170	-1.4856	
Optical density, d		0.0328	/ metre
Number of specimens ignited:		6	
Number of specimens tested:		6	
Regulatory Indices:			
Ignitability Index		12	Range 0-20
Spread of Flame Index		0	Range 0-10