

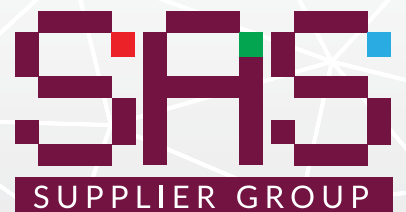
# Non- Combustible Fire Rated Panel

## Alcor-N

- 100% Aluminium structure
- Best non-flammable cladding solution
- Unique corrugated aluminium internal core
- High mechanical properties
- Similar to fabricate and install as traditional panels
- Outstanding surface flatness
- High quality PVDF and FEVE coatings available
- Available in 4 colours
- Resistant to weather and pollutants
- 15 year warranty and colour guarantee
- 3050 x 1500 x 4mm (0.5mm skin) sheets
- Our large stock holdings means short lead times



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# Alcor-N Technical Specifications

## Panel

Property	ACCP
Width	1500mm
Length	3050mm
Thickness	4mm
Weight	3.8kg/m <sup>2</sup>

## Skin

Property	ACCP
Composition	Aluminium
Thickness	0.5mm
Tensile strength	160MPa
Alloy/temper of layers	5005 H24

## UNIQUE ALUMINIUM BEAD CORE



## Surface Properties (PVDF Coatings)

Property	Test	ACCP
Dry film thickness (nominal)	ASTM D1400	0.20-0.30 mil primer 0.70-0.80 mil topcoat
Gloss	ASTM D523	Standard @ 60°: 25-35 Duranar LG @ 85°: <10
Pencil hardness	ASTM D3363	F-2H
Flexibility	T-Bend, ASTM D4145	0-2 T-Bend; No pick-off
Adhesion	ASTM D3359 Reverse Impact 1/16' crosshatch	No cracking or adhesion loss or visual change on the coating after immersed in boiling water for 2 hours
Reverse impact	ASTM D2794	1.5 x Metal thickness (aluminium): No cracking or adhesion loss
Acid resistance	ASTM D1308	10% Muriatic acid - 24 hrs: No effect
Acid rain test	Kesternich SO <sub>2</sub> DIN 50018	15 Cycles min. No objection-able colour change
Alkali resistance	ASTM D1308 10%, 25%, NaOH, 1 hr.	No effect
Salt spray resistance	ASTM B117 5% salt fog @ 95°F	Passes 4000 hrs. Less than 1/1' avg. creepage from scribe; None or few #8 blisters
Humidity resistance	ASTM D714 ASTM D2247 100% relative humidity @ 95°F	Passes 4000 hrs. No #8 blisters
Exterior exposure	15 yrs. @ 45°, South Florida ASTM D2244ASTM D4214	Max. 5 fade Max. 8 chalk
Fire rating	AS 1530.3	Non-combustible
Fire rating	AS 1530.1	Non-combustible

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