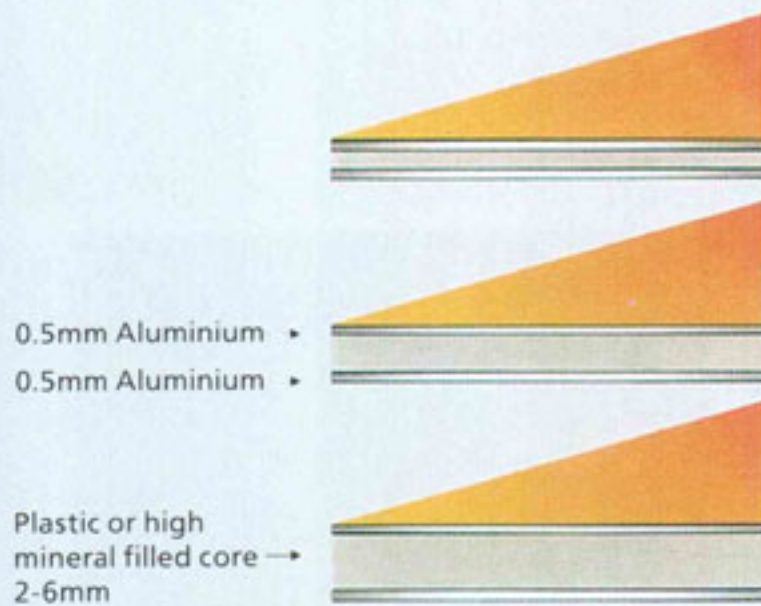
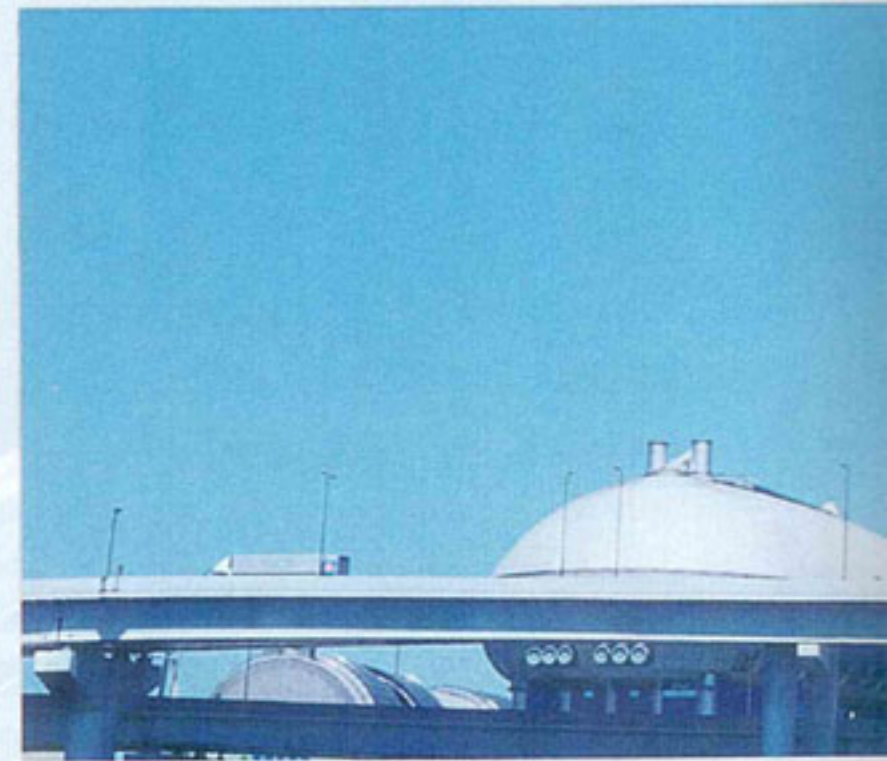


Product information



Constitution

ALCOMAXX brand aluminum composite panel is a new type of building material presenting the tendency of the future. With fluoro-carbon resin (PVDF) roasting painting of rolling type on the front layer, its weather resistance is over 10 years



Panel Dimensions

Product range	Specification	
	Standard	Upon request
ALCOMAXX One side stove-lacquered finish	Thickness	4mm
	width	1220mm
	length	2440mm
		2mm, 3mm, 5mm, 6mm
		1000mm 1250mm 1500mm 1550mm
		any length up to 5500mm

Product Range

Product Range	ALCOMAXX ACP Available Thickness					Coating / Finish	Aluminium
	2mm	3mm	4mm	5mm	6mm		
ALCOMAXX -Exterior	Yes	Yes	Yes	Yes	Yes	Kynar 500PVDF	ALCOMAXX
ALCOMAXX -Interior	Yes	Yes	Yes	Yes	Yes	Polyester	ALCOMAXX
ALCOMAXX -Granite-Ext	Yes	Yes	Yes	Yes	Yes	Kynar PVDF Films	ALCOMAXX
ALCOMAXX -Granite-Int	Yes	Yes	Yes	Yes	Yes	IT-Polyester	ALCOMAXX
ALCOMAXX -Veneers-Ext	Yes	Yes	Yes	Yes	Yes	Kynar PVDF Films	ALCOMAXX
ALCOMAXX -Veneers_Int	Yes	Yes	Yes	Yes	Yes	IT-Polyester	ALCOMAXX
ALCOMAXX -Arctic Ice-Ext	Yes	Yes	Yes	Yes	Yes	Kynar PVDF Films	ALCOMAXX
ALCOMAXX -Arctic Ice-Int	Yes	Yes	Yes	Yes	Yes	IT-Polyester	ALCOMAXX
ALCOMAXX -Chameleon-Ext	Yes	Yes	Yes	Yes	Yes	Kynar PVDF Films	ALCOMAXX
ALCOMAXX -Chameleon-Int	Yes	Yes	Yes	Yes	Yes	IT-Polyester	ALCOMAXX



Temperature behaviour

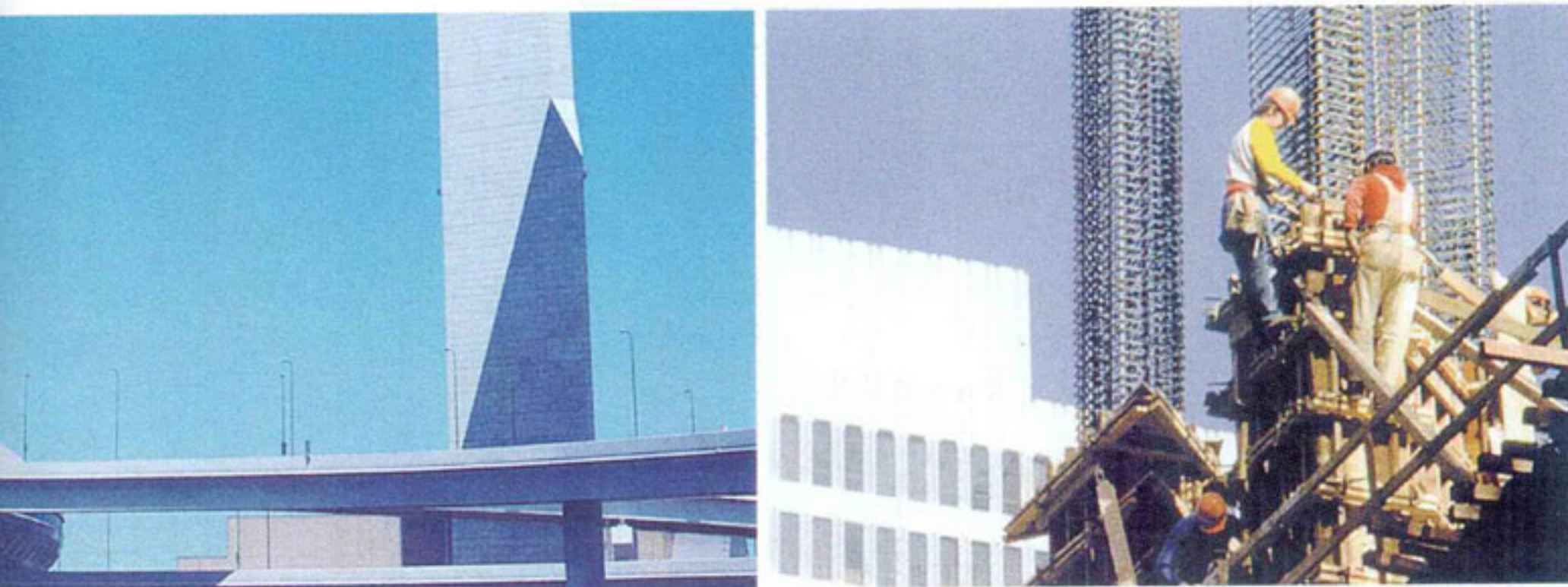
Temperature Resistance	From -40°C to + 80°C
Temperature Expansion	2.5mm per linear meter for temperature difference of 100°C

Sound Insulation

The table shows the considerable sound reduction for a concrete wall covered with **ALCOMAXX**

ALCOMAXX thickness	Sound reduction
3mm	23dB
4mm	24dB
6mm	25dB





Compared with solid aluminium

Required thickness and actual weights of panels with same rigidity

Rigidity E • J	ALCOMAXX			Aluminium	
	Section modulus W	Thickness	Weight	Thickness	Weight
0.125 kN m ² /m	1.25 cm ³ /m	3mm	4.5 kg/m ²	2.7mm	7.3 kg/m ²
0.240 kN m ² /m	1.75 cm ³ /m	4mm	5.5 kg/m ²	3.3mm	8.9 kg/m ²
0.590 kN m ² /m	2.75 cm ³ /m	6mm	7.3 kg/m ²	4.5mm	12.2 kg/m ²

Comparison Chart between ALCOMAXX, Solid Aluminium and steel

Item	ALCOMAXX	Solid Aluminium	Steel
Weight	4mm: 5.48 kg/m ²	3mm: 8.0 kg/m ²	1.5mm: 11.47 kg/m ²
Flatness	Very Flat	Uneven	Uneven
Heat Insulation	Best	Poor	Poor
Sound Insulation	25db	15db	15db
Echo Response	Low	Medium	High
Paint consistency	Best	Inconsistent	Inconsistent
Paint Microns	Even	Uneven	Uneven
Weather Proof	Good	Good	Good
Fire Proof	Good	Good	Good
Fabrication	Easy	Difficult	Very Tough
Delivery	Quick	Slow	Slow
Total Cost	Economical	Medium Cost	Expensive
Maintenance	Easy	Easy	Easy
Installation	Quick	Slow	Very Slow

Comparison of thickness and weight on equivalent rigidity

