Technical Data Sheet

EURO ACP

ALUMINIUM COMPOSITE PANEL

Panel Dimensions

Panel Thickness (mm)	3.0
Aluminium Thickness (mm)	0.15
Weight (kg/m^2)	3.38

Dimensional Tolerances (mm)

Thickness	- 0 + 0.2
Width	-0 + 2.0
Length	-0 + 3.0
Diagonal	-0 + 5.0
Thermal Expansion	2.4mm/m @100°CTemp Difference
Aluminium Thickness (mm)	Where applicable as specified in EN485-4; otherwise ± 0.02

Surface Properties

Paint Thickness (micron)	20
Pencil Hardness	>HB
Toughness of Coating	3T
Temperature Resistance	-50°C to + 80°C
Impact Strength (kg cm^2)	42
Boiling Water Resistance	Boiling for 2hrs without change
Acid Resistance	Immerse Surface in 2% HC1 for 24 hrs without change
Alkali Resistance	Immersed surface in 2% NaOH for 24 Hrs without change
Oil Resistance	Immerse Surface in 20# engine oil for 24 hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	>1000 times without change
Peel Strength (Newton/mm)	>5

Product Properties

Sound Absorbtion NRC	0.05
Sound Attenuation R_w db	24
Water Absorbtion % By Volume	0.01
Thermal Performance R Values	0.0057
Core Composition	Polyethylene
Reaction to Fire Classification	BS476 Part 6: Class 0, Part 7: Class 1

Manufacturer reserves the right to change product specification without prior notice.