

3/0.15 BGE® J ACP. Technical Data Sheet

Panel Dimensions

Panel Thickness	00.118 in / 3.0 mm
Aluminium Thickness	0.006 in / 0.15 mm
Standard Sizes	48 in x 96 in / 1220 mm x 2440 mm 60 in x 120 in / 1500 mm x 3050 mm

Dimensional Tolerances

Thickness	- 0 + 0.008 in / - 0 + 0.2 mm
Width	± 0.079 in / ± 2.0 mm
Length	± 0.118 in / ± 3.0 mm
Diagonal	± 0.197 in / ± 5.0 mm
Thermal Expansion	2.4mm/m @100°C Temp 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% HCl for 24Hrs without change
Alkali Resistance	Immersed surface in 2% NaOH for 24Hrs without change
Oil Resistance	Immerse Surface in 20# engine oil for 24hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	>1000 times without change
Peel Strength 180	>5 Newton / mm

Product Properties

Weight (lb/ft ²)	0.727 lb/ft ² / 3.55 kg/m ² *
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

* Minimum weight is indicated. Weight may vary.

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