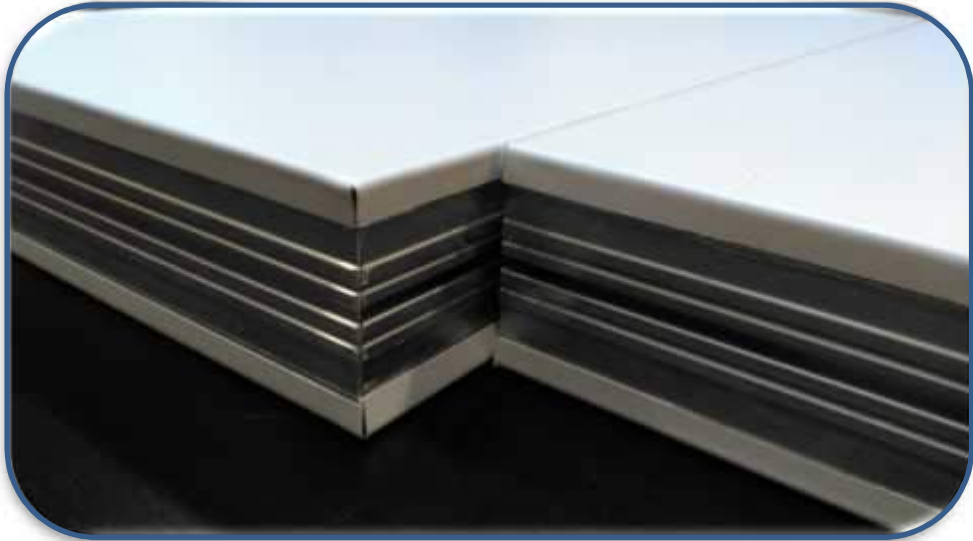




Puracore[®] 65 mm Ceiling Panels



Please see overleaf for detailed

Summary Specification	
Thickness	65 mm
Standard Dimensions	Up to 2500 mm x 1200 mm
Core	63.8mm 3/4" Aluminium Honeycomb
Skin	0.7mm Galvanised Steel Substrate
Finish for Galvanised Steel Substrate	UPVC Laminate / White Polyester Painted / Primer Painted / P.E.T
Panel Frame	Aluminium 6063 Box Profile Extrusion 4 sided
Adhesive	Twin pack solvent free adhesive at 300g/m ² per face
Tongue	Aluminium extruded cruciform.
Weight	16.89 kg/m ²
Max. Length	2500mm with aperture. 3000 mm no aperture.
Max. Ceiling Capacity	3KN/m² based on 2.5m span Please see overleaf for span details
Fire Resistance	P.E.T / UPVC Class O

Puracore® 65 mm thick modular ceiling panels are designed as a progressive build system, providing quick assembly and in conjunction with Puracore® concealed suspension system fittings provide a flush internal surface.

Panel Face Skins

UPVC	0.7mm galvanised mild steel with a 120µ slightly PVC facing. Suitable for operating temperatures up to 60°C and achieves Class O Spread of Flame. Withstands most clean down chemicals.
Polyester	0.7mm galvanised mild steel with a base coat and 20µ polyester topcoat. Suitable for operating temperatures up to 120°C when used with the twin pack adhesive system and achieves Class O Spread of Flame.
P.E.T	0.7mm galvanised mild steel with 55µ co-laminate coating giving high protection from chemicals and cleaning. Class O Spread of Flame.
Standard Backer (hidden surfaces)	0.7mm galvanised mild steel with polyester wash coat (colours may vary). Suitable for operating temperatures up to 120°C when used with the twin pack adhesive system and achieves Class O Spread of Flame.

Frame Section

- ⌋ 64mm extruded 6063 aluminium alloy box section frame to 4 sides of panel.
- ⌋ Rebated jointing face to take the steel skins and provide a joint to accept a site applied sealant.
- ⌋ Joint face includes 2 capillary tracks and joint groove for an extruded aluminium cruciform tongue section.
- ⌋ Frame is mitred to when forming 4 sided panels using aluminium angle cleats located in pre-extruded locations inside the box section.

Panel Core

63.8mm thick aluminium honeycomb 3/4" Cell 3003 grade 40µ foil perforated and chromated to prevent galvanic corrosion.

Standard Manufacturing Sizes for 65 mm Ceiling Panels

Standard modules of 1200mm wide, maximum lengths dependent on facing:-

- ⌋ P.E.T, UPVC Polyester Painted and Standard Backer up to 2500mm.

Standard Manufacturing and Span Sizes for 65 mm Ceiling Panels

Puracore® 65 mm Aluminium Honeycomb panels exceed BS EN 1991 to a maximum ceiling span of 3000mm.

Panel Deflections (mm)

Panel Span Length (mm)	BS EN 1991 Max. Deflection Requirement	1.5kN Loading	2.0kN Loading	2.5kN Loading	3.0kN Loading	Max Load Span / 200 kN / m2
2500 with no aperture	15mm	2.8 mm	3.8 mm	4.6 mm	5.5 mm	3.9 kN/m2
2500 Max aperture size 1200mm x 600mm	15mm	4.5 mm	6.1 mm	7.3 mm	8.6 mm	3.5 kN/m2
3000 with no aperture	20mm	5.9 mm	7.8 mm	9.8 mm	11.8 mm	3.0 kN/m2
3000 Max aperture size 1200mm x 600mm	20mm	8.6 mm	11.5 mm	N/a	N/a	2.0 kN/m2

1. Load span tables are based on 65mm standard backer faced aluminium honeycomb panel with 64 mm frame to 4 sides.
2. Values have been calculated using the method described in BS EN 6399 using criteria span/200.
3. Minimum support width of 50mm.

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