

# Cleanroom Ceiling Panel



Specialist high  
load cleanroom  
ceiling panel

## 65mm

Puracore<sup>®</sup> have developed market leading 65mm aluminium honeycomb panels for a high load ceiling deck which can take loads up to 3kN per m<sup>2</sup> with 2.5m spans.

## 50mm

Puracore<sup>®</sup> 50mm panels can also be utilised as ceiling panels. These cleanroom ceiling decks are walk-on when installed using our ceiling hanger systems.



See over for technical  
specifications

# Cleanroom Ceiling Panel

Panel Thickness	Panel Span (mm)	Maximum Load	Inertia
50mm	2500	1.8kN/m <sup>2</sup>	48
50mm	3000	1.8kN/m <sup>2</sup>	46
50mm	2500 with apertures	1.8kN/m <sup>2</sup>	46
50mm	2500 with apertures	1.0kN/m <sup>2</sup>	45
65mm	2500	5.5kN/m <sup>2</sup>	135
65mm	3000	2.9kN/m <sup>2</sup>	128
65mm	2500 with apertures	3.8kN/m <sup>2</sup>	96
65mm	2500 with apertures	2.0kN/m <sup>2</sup>	89

Calculations based on span over 210 and a standard point load of 0.25kN. Max load rounded to one decimal point.

## Summary Specification

<b>Thickness</b>	50mm / 65mm
<b>Standard Dimensions</b>	1200mm x 3000mm
<b>Maximum Length</b>	Up to 6000mm
<b>Core</b>	48.8mm thick $\frac{3}{4}$ " aluminium honeycomb (50mm) 63.8mm thick $\frac{3}{4}$ " aluminium honeycomb (65mm)
<b>Facing Skin</b>	0.5mm galvanised steel substrate (50mm) 0.7mm galvanised steel substrate (65mm)
<b>Finish for Galvanised Steel Substrate</b>	PVC laminate/polyester/primer painted/P.E.T.
<b>Panel Frame</b>	Aluminium 6063 box profile extrusion 4 sided
<b>Adhesive</b>	Twin pack solvent free adhesive @ 300g/m <sup>2</sup> per face
<b>Tongue Options</b>	Flexible PVC/rigid PVC/aluminium 4 side cruciform (50mm) Aluminium extruded cruciform (65mm)
<b>Weight</b>	13kg/m <sup>2</sup> (50mm) /16.89kg/m <sup>2</sup> (65mm)
<b>Fire Ratings</b>	ASTM E84 Class A. FM Approvals 4882 and 4880



**Puracore**®



Puracore, 3 Portview Road, Avonmouth, Bristol, Avon, BS11 9LQ, United Kingdom

**T** +44 (0) 117 316 7025

**E** sales@puracore.com

**W** www.puracore.com