

Part Number: ICS-Omega-2x4 Ceiling Grid Panel

About:

Designed for cleanroom grid installations and specialized environmental control applications, the Instant Cleanroom Solutions Ceiling Panel utilizes a high- performance Metal Composite Material (MCM) construction. Featuring an extruded solid polyethylene core permanently bonded between finished aluminum sheets, it delivers superior panel flatness, structural rigidity, and fire resistance.



Dimensions Ceiling Grid Tile:

Thickness (nom)	Sheet Thickness	Weight (PSF)	Standard Panel Size ^{*modifiable}
2mm	0.006 in	0.53 psf	2' x 4'
3mm	0.006 in	0.72 psf	2' x 4'
4mm	0.006 in	0.91 psf	2' x 4'
6mm	0.008 in	1.29 psf	2' x 4'

General	
Core Material	Extruded Solid Polyethylene
Face Material	Aluminum Sheets (1100-H16/H18, ASTM B209)
Surface Finish	Smooth Polyester Coating
Flame Spread Index	22
Smoke Developed Index	400
Fire Class Rating	Class A (ASTEM E84)
UL File Number	E60612

Manufacturing Tolerances & Properties	
Thermal Expansion	13.1 x 10 ⁻⁶ in/in/°F
Dimension Tolerances	(+/-) 1/4 in (Length & Width)
Thickness Tolerance	(+/-) 1/32 in
Squareness	Diagonals equal within 1/8 in
Flatness Tolerance	< 1/4 in per 4 ft (0.52%)
Flexural Rigidity (EI) 3mm	5.59x10 ³ lb-in ² /ft (3mm)
Flexural Rigidity (EI) 6mm:	22.0 x 10 ³ lb-in ² /ft



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