

Accessory Product sheet: Tascor ® / Tascom® Air Grille

PROJECT

APPLICATION

Computer / Equipment Room

ACCESS FLOOR

Tascor ® / Tascom® Access Floor Systems

AVAILABLE SIZES:

600 x 300 mm (Tasman's stock size)

600 x 600 mm

Special sizes on request



DESCRIPTION OF ALUMINIUM AIR GRILLE

The Tasman Aluminium Air Grille is designed for use with all stringered Tasman access floor systems. The air grille delivers and/or controls the flow of cool underfloor conditioned air into computer/equipment room environments that are typically producing high amounts of heat.

SIZE

The standard aluminium air grille measures 600mm x 300mm (half panel size), which allows it to be installed alongside a cut panel to complete the 600mm x 600mm access floor grid. When future changes are required, the air grille/cut panel can be re-located, as it is interchangeable with other access floor panels.

DESIGN

The aluminium air grille is designed to deliver a large constant rate of air-flow to a computer/equipment room. The rate of air-flow to the room is dependent upon the pressure within the underfloor plenum, and can be easily adjusted when the air grille is fitted with a damper. The air grille has a natural anodised aluminium finish, which blends well with Tasman's high pressure laminate panel finish.



PERFORMANCE

To produce the best performance, aluminium air grilles are ideally situated in areas of light loading and low foot traffic. If heavy load, or medium duty foot traffic are present, the Tasman Perforated Air Flow Panel is preferred.

Tascor® / Tascom® Air Grille						
Air Flow (l/s)	600 x 300	600 x 600		600 x 300	600 x 600	Air Flow (mm high)
	Pressure (Pa)			Air Throw Avg m/s		
50	0.53	0.07		3.97	2.36	0
100	2.12	0.28		3.45	2.00	200
200	8.47	1.12		3.77	1.96	400
300	19.06	2.52		3.37	1.95	600
400	33.89	4.48		2.85	1.89	800
500	52.95	6.99		2.40	2.40	1000
600		10.07				
700		13.71				
800		17.9				
Deflection with 3 kN load				2.11mm	1.30mm	
Noise in dB(A) @ 20 Pa Plenum @ 195L/s @ 1m				65 dB(A)		
Noise in dB(A) @ 12 Pa Plenum @ 274L/s @ 1m					67 dB(A)	

CONTROL OVER AIR-FLOW

Tasman Aluminium Air Grilles are designed and manufactured for use with Tasman's complete range of access floor systems. Air grilles can be specified for use with either Tascor® / Tascom® Access Floor Systems.