

Accessory Product sheet: 215mm Swirl Diffuser



APPLICATION	Underfloor Air Distribution (UFAD)
ACCESS FLOOR	Tascor® Unifix Access Floor Systems
AVAILABLE SIZES:	215mm Diameter

DESCRIPTION OF SWIRL DIFUSER

The Tate Tasman 215mm diameter swirl diffuser is designed for use with all Tate Tasman Access Floor system. The swirl diffuser delivers and/or controls the flow of cool underfloor conditioned air into the general office environments. Each 215mm swirl diffuser is fitted with a volume control basket for easy balancing of air being delivered from the plenum.

SIZE

The standard 215mm Swirl Diffuser is designed to be quadrant located into 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 Tate Tasman Air Diffuser is available in both plastic and aluminium. Note: Plastic diffusers are not designed to support rolling load traffic. This should be taken into account when choosing swirl diffuser locations.

PERFORMANCE

The Tasman Air Swirl Diffuser is suited for all office interior spaces in conjunction with raised access floors. They provide individually controlled air for comfort. The chart below provides Airflow (l/s) verses Pressure Drop (Pa) information along with Noise criteria.

The noise criteria is based on 10dB room absorption and the sound power level in dB reference – 10^{12} W

Air Flow (l/s)	Without Damper Pressure (Pa)	With Damper Pressure (Pa)	Noise (dB)
10	1.5	2.5	10
15	3.0	4.5	12
20	5.5	8.5	14
25	8	13.0	16
30	12.0	17.5	17
35	16.0	24.0	24
40	18.0	30.0	27
45	23.0	34.0	29
50	30.0	45.0	31