

Floor Swirl Diffuser Building Product Information Sheet

Version 1.1 – Issued 20/09/24

Product

Product name	Floor Swirl Diffuser
Product type	Diffuser
Product Identifiers	FSD/FSDD

Product description and intended use

- Floor Swirl diffusers are designed for use in raised floor applications where the floor cavities are pressurised as a supply plenum. The FSD core produces a high velocity swirl air pattern.
- The FSD is available in either die cast aluminium or a high impact polycarbonate.
- Polycarbonate models are available in Grey or Black.
- Aluminium models are available in mill, power coat or polished finishes.
- Rotating the front fascia can control airflow between the minimum and maximum (fully open).
- A directional model is available in which the swirl discharge is offset by 15° and the direction is user adjustable.
- Both material variations of the FSD have been load tested by AWTA with the aluminium FSD reaching 1600kg and the polycarbonate reaching 700kg before failure.

Relevant NZBC clauses

- Clause B2 Durability: Performance B2.3.1 (c) 5 Years
- Clause H1 Energy Efficiency: Performance H1.3.6

Contributions to compliance with NZBC

- **B2:** The lifespan of the FSD will vary based on the environment it is installed in. For a standard HVAC installation, the FSD would provide a durability of a minimum of 5 years. Excessively corrosive or harmful environments or exposure to fire, heat or water will reduce the lifespan of the FSD.
- **H1:** When installed in a commercial building as a supply diffuser the FSD must be designed to have a maximum pressure drop of 40Pa.

Relevant standards

- N/A

Conditions and limitations of use

- The FSD should be specified by a suitably qualified engineer.
- The FSD should be installed by a suitably qualified and trained tradesperson.

Warnings and bans

The FSD is **not** subject to a warning or ban under section 26 of the Building Act 2004.

Installation details and product datasheet

The FSD product datasheets and installation details can be found on our [website](#).

Maintenance requirements

N/A

Manufacture details

Manufacture location	China
Designed and imported by	Price Holyoake (NZ) Ltd T/A Holyoake Air Management Solutions by Price
Importer NZBN	9429048831215
Importer website	Holyoake.com
Auckland address for service	67 Greenmount Drive, East Tamaki, Auckland 2013
Auckland office email	Auckland@holyoake.com
Auckland office phone number	(09) 274 4144
Wellington address for service	89 Main Road, Tawa, Wellington 5028
Wellington office email	Wellington@holyoake.com
Wellington office phone number	(04) 232 2722
Christchurch address for service	81 Treffers Road, Wigram, Christchurch 8042
Christchurch office email	Christchurch@holyoake.com
Christchurch office phone number	(03) 366 6545

Declaration

Price Holyoake (NZ) Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Version History

Version number	Created by	Date issued	Changes from previous document
V1.0	ST	11/06/24	First issue
V1.1	ST	20/09/24	Updated Christchurch Address and website URL