

# Spiroloc Building Product Information Sheet

Version 1.1 – Issued 20/09/24

## Product

<b>Product name</b>	Spiroloc
<b>Product type</b>	Rigid Steel Duct
<b>Product Identifiers</b>	LOCG

## Product description and intended use

- Spiroloc is a line of rigid steel ductwork designed for use within ventilation systems.
- It is machine formed in a continuous spiral from galvanised steel strip coil stock and seamed with a four ply lock seam.
- Three wall thicknesses are available; 26 gauge (0.45mm), 24 gauge (0.55mm) and 20 gauge (0.95mm).
- Spiroloc ducting can be offered with insulation for sizes between 100mm and 500mm.
- Plain Spiroloc can be made in standard diameters from 100mm to 1600mm.
- The thermal resistance rating of the optional polyester insulating jacket is R1.0 m<sup>2</sup>K/W
- The insulating jacket includes a flame retarded seamless outer sleeve.
- Spiroloc ducting is self-supporting over its normal maximum (3m) length.

## Relevant NZBC clauses

- Clause B2 Durability: Performance B2.3.1 (c) 5 Years
- Clause C3 Fire Affecting Areas Beyond the Fire Source: Performance C3.4 (a)
- Clause H1 Energy Efficiency: Performance H1.3.6

## Contributions to compliance with NZBC

- **B2:** The lifespan of Spiroloc ducting will vary based on the environment it is installed in. For a standard HVAC installation, Spiroloc ducting 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 Spiroloc ducting.
- **C3:** Spiroloc complies with C3.4 (a)
- **H1:** For installations within a commercial building the pressure drop in the index run across all straight sections of rigid and all sections of flexible duct must not exceed 1 Pa per metre length when averaged its entire length.
- **H1:** Spiroloc ducting complies with AS/NZS 4859.1
- **H1:** Insulated Spiroloc has a R value of 1.0m<sup>2</sup>K/W
- **H1:** The external jacket of insulated Spiroloc protects the insulation from the effects of weather and sunlight, ensuring that the insulation properties don't reduce over time.
- **H1:** Insulated Spiroloc ducting is protected by a polyethylene vapour barrier to avoid condensation forming on the insulating blanket.

## Relevant standards

- The polyester insulating jacket is compliant with and tested to AS/NZS 4859.1

- Spiroloc has been tested to AS4254:2002 in accordance with AS1530.3

## Conditions and limitations of use

- Spiroloc ducting should be specified by a suitably qualified engineer.
- Spiroloc ducting should be installed by a suitably qualified and trained tradesperson.

## Warnings and bans

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

## Installation details and product datasheet

Spiroloc ducting product datasheet and installation details can be found on our [website](#).

## Maintenance requirements

Spiroloc ducting should be routinely inspected and tested to ensure that it is in good condition and not showing signs of corrosion.

## Manufacture details

**Manufacture location**  
**Manufactured by**

New Zealand  
Price Holyoake (NZ) Ltd T/A Holyoake Air  
Management Solutions by Price  
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## 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

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