

Building Product Information Sheet

Class 1

Product Name:

Eyelet Purlin Screw

Date of Report:

21 / 11 / 2023

Product Line:

ICCONS Screws

Product Description and its intended use:

ICCONS Eyelet Purlin Self Drilling Screw (EPSN) used in conjunction with the Eyelet Purlin Screw Socket Driver (EPSSD) provides a one-step solution for attaching tie wire systems to metal purlins. The screw entails a 4mm eyelet, EPDM sealing washer, and self-drilling tip rated to drill through 1.2 to 1.6mm mild steel. Perfect for applications such as suspending ceilings, attaching cable ties, support wires and ducting systems.

Key technical specifications:

- Product type: Screws
- Finish options: Carbon Steel zinc plated
- Head options: Eye
- Base material: Steel
- Special features: Removable
- Part specifications: 1/4" - 14 x 22mm Eyelet Purlin Screw with EPDM washer for Steel Purlin
- Load performance: Light loads

Product Identifier

ICCONS Purlin Screws

Place of Manufacture:

Overseas

Manufacturer:

ICCONS PTY LTD

Importer:

Sesto Fasteners Limited

Address: 5e Piermark Drive
Rosedale, Auckland
Postcode: 0632
Website: www.sestofasteners.co.nz
Email: orders@sestofasteners.co.nz
Phone: +64 94158564
NZBN: 9429041704103

Relevant Building Code Clauses:

- B1 Structure: Performance clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4
- B2 Durability: Performance clauses B2.2
- F2 Hazardous Building Materials: Performance clause F2.3.1

Statement on how the building product is expected to contribute to compliance:

- B1 Structure: clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4:
 - ICCONS EPSN used in conjunction with the EPSSD socket driver provides a one-step solution for attaching tie wire systems to metal purlins.
 - Compliant with NZ/Australian standard AS/NZS2785-2000 clause 3.2.2(c) - stating that individual ceiling hangers must have a minimum design tension load of 50kgs for non-trafficable ceiling systems. Suitability of ICCONS EPSN should be assessed by the relevant project design engineer.
 - ICCONS Purlin Screws have been tested for ultimate pullout load performance in metal purlin. All tests were conducted in a controlled laboratory using NATA Calibrated equipment. Refer to document 'Eyelet Purlin Screw Technical Bulletin' to see test values, available in the link below:
https://sestofasteners.co.nz/products/eyelet-purlin-screw?_pos=1&_sid=416663dbc&_ss=r
- B2 Durability: Performance clauses B2.2
 - Available finish: Carbon Steel (Zinc Yellow).
 - Solid metal construction.
 - One step easy installation
 - EPDM Washer: Soft clamping reduces overtightening and resists loosening.
 - Engineered drill point.
- F2 Hazardous Building Materials: Performance clause F2.3.1
 - ICCONS Purlin Screws are safe when handled.

Limitations on the use of the building product:

- Designed for light loads only.
- Note on technical bulletin (ref 'Eyelet Purlin Screw Technical Bulletin'): All tests were conducted in a controlled laboratory using NATA Calibrated equipment. An appropriate safety factor must be applied to determine a safe working load.
- Suitability of ICCONS EPSN should be assessed by the relevant project design engineer.
- Excessive torque may damage the fixing.

Design requirements that would support the use of the building product:

ICCONS Purlin Screws have been designed for use in the following applications:

- Suspending ceilings
- Attaching cables
- Support wires
- Ducting systems

Features that support use:

- One step easy installation
- EPDM Washer - soft clamping reduces overtightening and resist loosening
- Engineered drill point
- Solid metal construction.

Installation requirements:

Installation steps:

1. Position: insert purlin screw into socket driver (EPSSD), and mark the position where you want the screw to affix to.
 2. Using a power drill or suitable socket holding tool, drive the screw into the base material, ensuring it drills perpendicular to the surface.
 3. Drive the purlin screw until flush with the base material. Be careful not use excessive torque when driving the screw.
 4. Installation complete!
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Maintenance requirements:

N/A. no ongoing maintenance required.

Is the building product subject to warning or ban under section 26?:

No

