

SteelHaus 40mm Top Hat Purlin

BPIR DECLARATION

Version 1.0 October 2023

Designated Building Product: Class 1

Declaration

SteelHaus 2014 Limited (SteelHaus) has provided this declaration to satisfy the provisions of [Schedule 1\(d\) of the Building \(Building Product Information Requirements\) Regulations 2022](#).

Company Details

Name	SteelHaus 2014 Ltd
Role	Manufacturer/Supplier
NZBN	9429041456583
Address	12 Hautu Drive, Wiri, Auckland 2104
Website	www.steelhaus.co.nz
Email	sales@steelhaus.co.nz
Phone	0508 826 766

Description of building product

The Steelhaus 40mm Top hat Roof Purlin are a direct replacement for timber roof purlins. Providing a stable, durable, rot free and fire-resistant structure to support corrugate, tray or trapezoidal metal roof profiles. Featuring Knurled anti slip surface, rolled safety edges they are easy to handle and store. Lapped joints mean less wastage on site. Spanning up to 1.200m at 900mm centres they can be used on mono, hip and gable roofs. Suitable for use on steel and timber framed buildings.

Steelhaus 40x36x85x0.55mm Top hat Roof Purlin is roll formed and fabricated from 0.55mm G550 AZ150 grade Zinalume steel coil or 0.55mm G550 Z275 grade Galvanised steel coil supplied by Kiwi Steel Ltd. Supplied as 4.800m lengths or cut to length.

Scope of use and limitations

Scope	Limitation
In any calculated wind pressure (ULS) which includes up to and including extra high wind zone as defined by NASH Standard Part 2 Light Steel Framed Buildings.	Specific design is required where the wind zone is greater than extra high.
Roofing material not exceeding 65kg/m ²	Specific design is required when the combined roofing material weight exceeds 65kg/m ²
In all seismic zones as defined in NASH Standard Part 2 Light Steel Framed Buildings	
In all exposure zones as defined in NZS 3604:2011.	Where microclimatic conditions apply as defined in NZS 3604:2011, contact Steelhaus for technical advice. Fixing material must be in accordance with section 4 of NZS 3604:2011.
Any proximity to a relevant boundary.	

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Building

Scope	Limitation
For buildings covered by NASH Standard Part 2 Light Steel Framed Buildings 1.1.2	Designed in accordance with NASH Standard Part 2 Light Steel Framed Buildings or specifically engineered.

Building code obligations

The SteelHaus 40mm Roof Purlin complies with or contributes to compliance with

	Basis of compliance	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1 B1.3.2 B1.3.3 (a, b, f, j, m, q) B1.3.4 (a, b, c, d, e)	ACCEPTABLE SOLUTION - B1/AS1 9.1 NASH Standard Part 2 Light Steel Framed Buildings	Steel in accordance with AS 1397:2021, and section properties conform with NASH Standard Part 1 Appendix G.
B2 Durability B2.3.1(a) B2.3.2(a)	- ACCEPTABLE SOLUTION B2/AS1 3.6.2 Light Steel framing & 3.6.3 Modifications to NASH Standard Part 2	Steel coatings in accordance with AS 1397:2021, cited in NASH Standard Part 2 Section 3.2. Chemical composition of steel tested to ASTM E415:2017 and JIS G1253:2002 [New Zealand Steel, 05/08/2021, 02/06/2020].
C3 Fire affecting areas beyond the fire source C3.7 (a)	ACCEPTABLE SOLUTION C/AS1 C/AS2	Steel is defined in C/AS1 and C/AS2 as non-combustible. Non-combustible products achieve a material group number 1.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	Steel in accordance with AS 1397:2021, cited in NASH Standard Part 1:2016 [New Zealand Steel, 05/08/2021, 02/06/2020]. Use in accordance with manufacturer's safety requirements.

Warnings or Bans

No

Conditions of use

Purlins must be used in accordance with the information including intended purpose as documented by SteelHaus 2014 td. For supporting information refer to www.steelhaus.co.nz.

Responsible person

In accordance with [Regulation 8](#), as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that SteelHaus as referred to in this statement is not subject to a warning or ban under [s26 of the Building Act](#).

Signed for and on behalf of SteelHaus 2014 Ltd

STEELHAUS 2014 LTD

12 Hautu Drive, Wiri, Auckland 2104

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Steven Cook
Steven Cook
BUSINESS MANAGER

August 2023

STEELHAUS 2014 LTD

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