EZYJOIST™ System

BPIR DECLARATION

Version 1.0 October 2023

Designated Building Product: Class 2

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

Steelhaus supplies the EZYJOIST™ System for use as an pre-engineered floor joist system.

The EZYJOIST™ System comprises:

EZYJOIST™ Floor Joists, which are C shaped, horizontal structural members with a web, flange and lip, incorporating penetration holes for services.

EZYJOIST™ Perimeter Channels, which are channels that are fixed to the primary structure to support the joists at each end.

EZYJOIST™ is available in a range of sizes from 140mm-290mm web, 45mm-56mm flange, 1.2mm-2.5mm thick made from G250 Z275 Galvanised steel.

Associated products

- Joist Hanger Brackets

Steelhaus EZYJOIST™ System is 100% recyclable.

Scope of use and limitations

Scope	Limitation	
Dead loads for light flooring up to 0.5kPa and for heavy	Specific design is required when flooring weight exceeds	
flooring up to 1.0kPa	1.0kPa	
Live loads up to 5.0kPa uniformly distributed live loads	Specific design is required when floor live loads exceed	
or 4.5kN concentrated load	5.0kPa or 4.5kN	
In all seismic zones as defined in - NASH Standard Part 2		
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.	
	NZ3 3004.2011.	
Any proximity to a relevant boundary.		



Building

Scope	Limitation
In conjunction with timber or lightweight steel framing, concrete or block walls, structural steel that complies with the NZ Building Code or for existing buildings, where the designer and/or installer have established that the existing structure is suitable for the intended building work.	
As a floor joist system.	In accordance with the EZYJOIST™ system span tables, or specifically designed. The EZYJOIST™ system must be protected from moisture.
As part of a fire rated, acoustic flooring system.	Subject to the design of the system and evidence of fire and acoustic rating.

Building code obligations

The SteelHaus EZYJOIST™ System complies with or contributes to compliance with

	Basis of compliance	
	Compliance statement	Demonstrated by
B1 Structure	Verification Method	Span tables designed in accordance with
B1.3.1	B1/VM1	AS/NZS4600 and AS/NZS1170
B1.3.2		
B1.3.3 (a, b, f, j, m, q)		
B1.3.4 (a, b, c, d, e)		
B2 Durability	ACCEPTABLE SOLUTION	Steel coatings in accordance with AS
B2.3.1(a) B2.3.2(a)	B2/AS1 3.6.2 Light Steel framing	1397:2021, cited in NASH Standard Part 2
	& 3.6.3 Modifications to NASH	section 3.2. Chemical composition of steel
	Standard Part 2	tested to ASTM E415:2017 and JIS
		G1253:2002 [New Zealand Steel,
		05/08/2021, 02/06/2020].
C3 Fire affecting areas beyond	ACCEPTABLE SOLUTION	Steel is defined in C/AS1 and C/AS2 as non-
the fire source	C/AS1	combustible. Non-combustible products
C3.7 (a)	C/AS2	achieve a material group number 1.
F2 Hazardous Building Materials	ALTERNATIVE SOLUTION	Steel in accordance with AS 1397:2021, cited
F2.3.1		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

NΙΔ

Conditions of use

EZYJOIST™ 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.

STEELHAUS 2014 LTD

12 Hautu Drive, Wiri, Auckland 2104



Signed for and on behalf of SteelHaus 2014 Ltd

Steven Cook

Steven Cook BUSINESS MANAGER

August 2023

