Date: August 2023

Product Disclosure Information – Company Assesment

Product Name: SDWS22 Structural Fasteners Product Category: Structural Fasteners Product Identifier: UPC (Unique Product Code)

SDWS22300DB-R12	707392010418	SDWS22500DB-R50	746056005247
SDWS22400DB-R12	707392010425	SDWS22600DB-R50	746056005278
SDWS22500DB-R12	707392010432	SDWS22800DB-R50	746056005308
SDWS22600DB-R12	707392010449	SDWS221000DB-R50	746056005339
SDWS22800DB-R12	707392010500	SDWS22300DB	746056005193
SDWS221000DB-R12	707392010517	SDWS22400DB	746056005223
SDWS22300DB-R50	746056005186	SDWS22500DB	746056005254
SDWS22400DB-R50	746056005216	SDWS22600DB	746056005285
SDWS22800DB	746056005322	SDWS221000DB	746056005346

Product Description

The SDWS22 structural fasteners are the advanced alternative to bolting timber, or batten and coach screws, being 30% faster and 10% stronger than an equivalent batten screw. Designed to be versatile the SDWS is recognised as a solution for timber connections, is backed by testing, and load data. 5.6mm Shank Ribbed Large Washer Head Saw Tooth Point

Double Barrier Coating T-40 6 Lobe Drive

2.

1.

Relevant Building Building Code Clauses Code Clauses

Simpson Strong-Tie products,

If designed, installed, and maintained in accordance with 3603 and 3604, meet the following provisions of the NZBC.

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. Simpson Strong-Tie products meet these requirements for loads arising from self-weight, wind and impact [i.e. B1.3.3(a), (h) and (j)]. See Paragraphs 8.1 to 8.3.

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years and B2.3.2. Simpson Strong-Tie Products meet these requirements. See Paragraphs 9.1 to 9.3.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. Simpson Strong-Tie Stainless Steel products meet this requirement. See Paragraph 10.1.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Simpson Strong-Tie meet this requirement and will not present a health hazard to people.



Contributions to Compliance

Refer to Simpson Strong-Tie (New Zealand) Limited Website (strongtie.co.nz) for details of the current technical literature for all Simpson Strong-Tie products. The Technical Literature must be read in conjunction with all aspects of design, use, installation and maintenance contained in the technical literature and within the scope of appropriate design, application and installation as per the relevant building code clauses within the current New Zealand Building Code. If certain products have been Branz Appraised, the appraisal will be found under the technical documents tab on the product information page or the relevant product.

4. Scope of use:

The Strong-Drive[®] SDWS is the 2nd generation structural screw, redesigned with a patented SawTooth[™] Point. It delivers faster starts, less torque, and eliminates the need for pre-drilling, which means more screws installed and less labour for you compared to conventional installation. All this reduces tool wear and extends your battery life!

The SDWS is the advanced alternative to bolting timber, or batten and coach screws, being 30% faster and 10% stronger than an equivalent batten screw. Designed to be versatile the SDWS is recognised as a solution for timber connections and is backed by testing and load data.

Certain sizes are also approved for use as in Stud Screw application.

Also approved for certain Mass Timber applications.

5. Conditions of Use

Installation Information: Installation Skill Level Requirements

Installation of Simpson Strong-Tie products must be completed by, or under the supervision of a qualified Licensed Building Practitioner. Installation instructions can be found on the Simpson Strong-Tie website, within applicable and appropriate literature associated with the relevant product.

6.

Maintenance

Simpson Strong-Tie structural elements do not require regular maintenance as long as they are selected using our corrosion guidance. In exposed conditions, regular inspection of fixings and fasteners should be conducted. Corrosion information can be found on the website (<u>www.strongtie.co.nz</u>) or by following this link. <u>https://strongtie.co.nz/resources#corrosion-information</u>



Supporting Documentation

Type: Product Flyer

Version: F-F-SDWS-NZ20

Type: Technical Data Sheet - General Version: TDS-SDWS-NZ20

Type: Technical Data Sheet – Stud Screw Application and 3604 Version: F-C-NZS3604-23 Effective 01/09/2023

Type: Mass timber Catalogue Version - C-MT-AUNZ23 Web: https://strongtie.co.nz/products/sdws-timber-screw

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7.

Company Contact Details

Importing Branch: Address:	Simpson Strong-Tie New Zealand 52A Arrenway Drive	Manufacturing Branch: Address:	SST Souring Office Taiwan Room A7, 24F, No.260
	Albany, Auckland 0632 New		Zhongshan 2nd Road
	Zealand		Qianzhen District
Phone:	+64 9 477 4440		Kaohsiung City 806
Website:	www.strongtie.co.nz	Website:	www.strongtie.co.nz
		Phone:	Please call NZ Head Office

9.

Warnings and Bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

10.

Safety:

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.



11.

Appendix – BPIR Ready Selections

B1 Structure

B1.3.1

Buildings, building elements and *site work* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings*; *building elements* and *site work*, including:

- (b) Imposed gravity loads arising from use
- (d) earth pressure
- (e) water and other liquids
- (f) earthquake
- (g) snow
- (h) wind
- (j) impact
- (q) time dependent effects including creep and shrinkage

B1.3.4

Due allowances shall be made for:

- the consequences of failure,
- the intended use of the *building*,
- effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
- variation in the properties of materials and the characteristics of the site, and
- accuracy limitations inherent in the methods used to predict the stability of buildings

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) The life of the building, being not less than 50 years, if:
 - those building elements (including floors, walls, and fixings) provide structural stability to the building, or
 - those building elements are difficult to access or replace, or
 - failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building