



BPIR Declaration

SimpleFix Support Systems Frame Fix

Version: 1 - 2023

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Declaration

Ray Staiger Limited has provided this declaration to satisfy the provisions of Schedule 1 (d) of the Building Regulations 2022 (Building Product Information Requirements).

Product Information:

Name	SimpleFix Support Systems Frame Fix
Range	From the range of SimpleFix Support Systems structural support systems
Code	FFTP, PTPS

Designated Class:

Class 1

Description:

SimpleFix Support Systems Frame Fix's are made from grade G300 Z275 1.6mm galvanized coil. These have been designed by structural engineers in accordance with NZ and Australian building codes and a trusted solution for over a decade.

The FFTP/PTPS has been designed to allow a service hole of no greater than 60mm to be drilled through a top plate or stud to allow services such as air-conditioning or central vacuum pipes to be passed through the member. Plate designed to re-instate the integrity of the structure.

(PTPS only) Comes complete with Type 17 14 x 75mm and Type 17 12 x 35mm hex head screws for convenience and best building practice with top plate application.

Designed for use with 90 x 45mm and 140 x 45mm timber only.

Now with an insulated grommet to reduce friction on cables and pipes.

Scope of Use:

Installation is self evident and normal good building practice is assumed during installation. The 60mm service hole can be made in any position along the stud or top plate provided that the hole edge is no closer than 45mm from a stud or nog/dwang.

The 60mm hole shall be centered across the top plate or stud to accommodate the pre-punched FFTP/PTPS. The FFTP/PTPS shall be fitted to the inside of the frame leaving clean faces to both outside edges of the timber. When being used as a top plate stiffener with top plate packer then Type 17 14g x 75mm hex head screws shall be used. With stud or single top plate applications then Type 17 12g x 35mm hex head screws shall be used.

Prior to use the FFTP/PTPS shall be stored in a weatherproof environment and be protected from moisture. Care must be taken to avoid any damage to the surface of the product that may affect the protective galvanized coating.

Conditions of Use:

Must be installed using good building practice and in accordance with the producer statement and additional guidelines including the ones stated in this document.

Relevant Building Code Clauses:

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (f, h, j), B1.3.4

B2 Durability — B2.3.1 (a)

F2 Hazardous building materials — F2.3.1

Contributions to Compliance:

B1.3.1, B1.3.2, B1.3.3 (F,H,J), B1.3.4: The FFTP/PTPS has a producer statement to confirm it complies as an acceptable solution to the NZBC re-instating the structural integrity of the building.

The installed FFTP/PTPS will reinstate the top plate or stud to the integrity of the timber prior to the 60mm hole being drilled. This is calculated using the verification methods in accordance with the NZBC standards including NZS3603:1993

B2.3.1 (a): FFTP/PTPS has a durability of 50 years provided correct installation and no abnormal environmental conditions.

The durability of the product is in accordance with the acceptable solutions contained in Table 4.1 of NZS3604:2011 and is intended for use in internal “closed spaces”. It is not suitable where this table specifies 304 stainless steel.

F2.3.1: The PTPS's are safe when handled. There are no additional requirements for these products.

Supporting Documentation:

Supporting documentation can be made available upon request if not already available on www.simplefix.co.nz. This may include installation guides, producer statements, PS1 documentation, load ratings, mill certificates, or any other supporting information.

Company Details:

Manufactured on behalf and to the specification of Ray Staiger Limited in Taiwan.

Contact details:

Ray Staiger Limited

93 Ruffell Road,

Te Rapa,

Hamilton,

3241

(07) 850 4200

RSL@simplefix.co.nz

Websites:

www.simplefix.co.nz

www.toggler.co.nz

NZBN: 9429038913860

Responsibility:

To the best of the company's knowledge all information supplied in this declaration is based upon documentation and information supplied to RSL from genuine sources and is correct.

The SimpleFix Support Systems Frame Fix is not subject to a warning or ban under [s26 of the Building Act](#).

Building Code Performance Clauses:

B1 Structure

B1.3.1

Buildings, building elements and sitework 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 sitework, including:

- (f) earthquake
- (h) wind
- (j) impact

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the building,
- c. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. 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

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.