

Structa

BPIR Declaration

Version: v1

Designated building product: Class 1

Declaration

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

Product/system

Name	Structa
Line	Screw Bolt
Identifier	S6H(diameter x length) e.g S6H12100

Description

Structa™6 Heavy Duty Screw Bolt C1/C2

Mechanical Galvanised Corrosion Resistant The latest design in seismic screw bolt technology for use in structural and nonstructural, cracked & uncracked concrete

Scope of use

Structa6 are concrete & masonry mechanical anchors use in a wide range of construction applications.

Conditions of use

- The correct drill size must be used.
- Don't note use a worn drill bit.
- Clean & remove the dust.

Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4

B2 Durability — B2.3.1 (a)

F2 Hazardous building materials — F2.3.1

Contributions to compliance

B1 Structure: clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4:

GFC Structa6 have been ETA assessed for use in cracked & non cracked concrete
Refer to the ETA document ETA 23/0692 @ <https://gfcfix.co.nz/wp-content/uploads/2023/09/Structa-6-ETA-23-0692-GFC.pdf>

B2 Durability: Performance clauses B2.2, B2.3.1(a), B2.3.2 Structa6 product is coated with a G10 coating which is cat 5 corrosion resistance and eliminates hydrogen embrittlement issues.

Supporting documentation

The following additional documentation supports the above statements:

Structa Product	4/12/2023	https://www.gfcfix.co.nz
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For further information supporting Structa claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Manufacture oversea's
Legal and trading name of importer	GFC Fasteners
Importer address for service	22 Olive Road Penrose 1061
Importer website	www.gfcfast.co.nz
Importer NZBN	9429049146653
Importer email	sales@gfcfast.co.nz
Importer phone number	09 579 0722

Responsible person

As the responsible person as set out in Regulation 3, 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 Structa is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **GFC Fasteners** :



David Friery
Product manager
December 2023



GFC FASTENERS

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Appendix

BPIR Ready selections

Category: Fixings and fasteners

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:

- (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:

- 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.