

Heavy Duty Anchors

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	Heavy Duty Anchors
Line	Tecfi Anchors
Identifier	TFHVE0181120

Description

Heavy duty anchor by Tecfi are the ideal anchor for extreme load performance

Scope of use

Steel/Aluminum constructions which require a high certified level of safety.

- Suspended applications
- Heavy duty machinery
- Airports and transport infrastructure
- Structural applications in seismic areas
- Bridging and tunneling
- Public infrastructure
- Warehouse logistics
- Panel propping

Conditions of use

1. With the correct diameter drill bit, drill a hole to the correct depth.
2. Clean dust and other material from the hole.
3. Insert anchor into position.
4. With a hammer or mallet, tap the head of the anchor into the hole until the base of the head sits flush.
5. With correct size socket or spanner tighten anchor to specified torque.
Installation complete!

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

Certified for seismic applications (C1 and C2), cracked concrete approved and fire resistance certifications.

Supporting documentation

The following additional documentation supports the above statements:

Heavy Duty Anchor

v1

<https://www.gfcfix.co.nz>

For further information supporting Heavy Duty Anchors claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Manufacturer overseas
Legal and trading name of importer	GFC Fasteners
Importer address for service	22 OLIVE ROAD, Penrose 1061
Importer website	
Importer NZBN	9429049146653
Importer email	david@gfcfast.co.nz
Importer phone number	09 5790722

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 Heavy Duty Anchors is not subject to a warning or ban under [s26 of the Building Act](#).

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



David Friery
Product Manager

December 2023

GFC FASTENERS
22 OLIVE ROAD, Penrose 1061 New Zealand
[09 5790722](tel:095790722) |

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.