

Hybrid Resin VY200

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	Hybrid Resin VY200
Line	GFC Epoxy
Identifier	VY200

Description

A two component chemical anchoring injection system. A formulation derived from vinylester SF resin with very high bond strength, developed principally to anchor threaded rods and rebar into concrete. Used for high performance structural applications

Scope of use

Structural concrete connections with post-installed reinforcement bars Anchoring structural steel connections and structures to concrete including columns, beams, racking, machinery, guard rails and sound barriers Strengthening concrete and retrofitting reinforced concrete buildings Applications including seismic, cracked and non-cracked concrete, oversized hole diameters and damp/flooded conditions

Conditions of use

Refer to our website for installation instructions www.gfcfast.co.nz

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

ETA 23/0417 Threaded rod ETA 23/0418 Reo Bar Seismic C1 & C2

Supporting documentation

The following additional documentation supports the above statements:

VY200 Epoxy	v1	https://www.gfcfix.co.nz
-------------	----	---

For further information supporting Hybrid Resin VY200 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	www.gfcfast.co.nz
Importer NZBN	9429049146653
Importer email	david@gfcfast.co.nz
Importer phone number	095790722

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 Hybrid Resin VY200 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
22 OLIVE ROAD, Penrose 1061 New Zealand
095790722 | www.gfcfast.co.nz

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.