

ChemSet™ EPCON™ G5 Xtrem™ Chemical Anchors

Product Identifier ChemSet™ EPCON™ G5 Xtrem™

Product description

ChemSet™ EPCON™ G5 Xtrem™ is versatile and suitable for extreme anchoring environments including seismic, cracked concrete, core drilled holes and flooded conditions.

Relevant building code clauses

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

B2 Durability — B2.3.1 (a)

F2 Hazardous building materials - F2.3.1

Contributions to compliance

For B1 Structure and B2 Durability refer to the ChemSet™ EPCON™ G5 Xtrem™ European Technical Assessment ETA 25/0646, ETA 25/0647 and ETA 25/0648 and ETA 25/1058 listed in supporting documentation.

For F2 Hazardous building materials refer to the ChemSet™ EPCON™ G5 Xtrem™ SDS (Safety Data Sheet) listed in supporting documentation.

Scope of use

ChemSet™ EPCON™ G5 Xtrem™ is ideal for applications requiring the highest bond strength and security. It accommodates a wide range of climate conditions and is easy to dispense in cold weather. Its long working time is ideal for deep embedment or hot climates.

Conditions of use

Application of Ramset™ ChemSet™ EPCON™ G5 Xtrem™ should be performed by a skilled professional in accordance with the manufacturers guidelines, which can be found in the SARB. Application must be performed in conjunction with the Ramset™ ISNE application nozzle.

Features and benefits:

- Meets the highest anchoring standards
- Seismic design approved
- Cracked concrete and tension zone
- 100 Year Working Life
- Fire rated
- Reduced fatigue
- Improved productivity
- Easy dispensing even in cold weather, no weather delays
- High bond strength
- Suitable for core drilled and carbide drilled holes
- Long working time 22 minutes at 20°C
- Longer nozzle life
- More time to insert bars into deep holes
- No shrink epoxy
- User friendly & low odour
- Anchors in dry, damp, wet or flooded holes
- Rated for sustained loading
- VOC Compliant
- Suitable for contact with drinking water



Supporting documentation

All supporting documentation for this product is available at: <https://ramset.co.nz/resources-hub/>

Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	ITW Australia*
Legal and trading name of importer	Ramset™ New Zealand
Importer address for service	29 Poland Road, Auckland, 0627, New Zealand
Importer website	ramset.co.nz
Importer email	info@ramset.co.nz
Importer phone number	0800 726 738
Importer NZBN	9429039833129

Warnings and bans

This product line is not subject to any warning or ban under Section 26 of the Building Act 2004

*on the basis that ITW Australia partakes in the process of manufacture, involving design, quality/safety testing, importing, packaging and supplying the product in New Zealand.

ChemSet™ EPCON™ G5 Xtrem™

Chemical Anchors

Appendix - Building code performance clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.31

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.

B1.32

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.

B1.33

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

(i) fire

(j) impact

(j) equipment, services, non-structural elements and contents

(q) time dependent effects including creep and shrinkage

B1.34

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

B2.31

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:

i. those building elements (including floors, walls, and fixings) provide structural stability to the building, or

ii. those building elements are difficult to access or replace, or

iii. failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

For further information, please contact Ramset™

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