

Epcon™ C6 PLUS

Chemical Anchors

Product Identifier EC6P600

Product description

Epcon™ C6 PLUS is a heavy-duty, pure epoxy for anchoring threaded studs and reinforcing bar into cracked & uncracked concrete.

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 Epcon™ C6 PLUS European Technical Assessment ETA-18-0675 and ETA-20-0752 listed in supporting documentation.

For F2 Hazardous building materials refer to the Epcon™ C6 PLUS SDS (Safety Data Sheet) listed in supporting documentation.

Scope of use

Epcon™ C6 PLUS is a heavy-duty, pure epoxy for anchoring threaded studs and reinforcing bar into cracked & uncracked concrete. Complying to ETAG001 Annex E; for use in cracked concrete, fire and seismic applications as referenced in NZS 3101:2006. Epcon™ C6 PLUS is designed for fast all weather dispensing and user friendly working times to maximise productivity.

Epcon™ C6 PLUS is for structural reinforcing bar connections in slabs, columns, beams and walls, and structural anchoring applications.

Features and benefits:

- NZS 3101 Amendments 3
- ETAG001
- Cracked concrete
- Seismic C1 Performance data
- First exposure
- 100 Year Working Life
- All weather dispensing – low viscosity
- Long working time – longer nozzle life & reduced working time pressure
- High bond strength – great bond strength values (use with reinforcing bar & with threaded rod)

Conditions of use

Ramset™ Epcon™ C6 PLUS should be applied by a skilled professional, in accordance with the application guidelines found in the Ramset™ Specifiers Guide NZ. Application must be performed in conjunction with the Ramset™ ISNE application nozzle.

Supporting documentation The following additional documentation supports the above statements:

Title (type)	Version	URL
Ramset™ Specifiers Guide NZ (Installation, Maintenance)	2023	https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_Specifiers_Guide_NZ_July-2023.pdf
Epcon™ C6 PLUS ETA (Certification, Test results)		https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_ETACertificate_Ramset-EPCON-C6-PLUS_ETA-20-0752.pdf
Epcon™ C6 PLUS / Reo 502™ ETA - 100 Year Life		https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_ETA_ChemSet%E2%84%A2-Reo-502%E2%84%A2-PLUS-ETA-100-Years-18-0675.pdf
Epcon™ C6 PLUS SDS (Certification, Test results)		https://cdn.ramset.com.au/wp-content/uploads/2023/08/Ramset_ECP600_SDS_Epcon-C6_NZ.pdf

Epcon™ C6 PLUS

Chemical Anchors

Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	ITW de France*
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
*on the basis that ITW de France partakes in the process of manufacture, involving design, quality/safety testing, importing, packaging and supplying the product in New Zealand.	

Warnings and bans

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

Appendix - Building code performance clauses

All relevant building code performance clauses listed in this document:

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
- (i) fire
- (j) impact
- (j) equipment, services, non-structural elements and contents
- (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:
 - 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™
NZ - PHONE: 0800 RAMSET (726738) www.ramset.co.nz
AU - PHONE: 1300 780 063 www.ramset.com.au