

Chemset™ 101 PLUS

Chemical Anchors

Product Identifier ISKP, C101C, C101J

Product description

ChemSet™ 101 PLUS is a multi-purpose polyester adhesive for anchoring threaded studs and starter bars in solid and hollow substrates.

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™ 101 PLUS European Technical Assessment ETA-13-0681 listed in supporting documentation

For F2 Hazardous building materials refer to the ChemSet™ 101 PLUS SDS (Safety Data Sheet) listed in supporting documentation.

Scope of use

ChemSet™ 101 PLUS is a multi-purpose polyester adhesive for anchoring threaded studs and starter bars in solid and hollow substrates. It is formulated using high performance, marine grade resin, which allows full load capacity in flooded holes to be attained as assessed to ETAG 001-5 Option 7. It is fast cure and fast dispensing for high productivity.

Applications include - steel columns and beams, seating, machinery, facade pins, handrails, gates, starter bars, bottom plate fixing.

Features and benefits:

- Non-drip formula, ideal for overhead installation
- Multi-purpose – solid and hollow substrates
- Fast cure – 50 minutes at 20°C for improved productivity
- Fast and easy cold weather dispensing
- Improved productivity
- Styrene free
- Low VOC
- Low odour
- 50 Year Working Life
- Dry, wet and flooded holes
- No weather delays
- Vibration resistant
- Slump resistant
- Resists running and dripping

Conditions of use

Application of Ramset™ Chemset™ 101 PLUS should be performed by a skilled professional in accordance with the application guidance. Application of Chemset™ 101 PLUS must be performed using Ramset™ ISNE application nozzles.

Supporting documentation The following additional documentation supports the above statements:

Title (type)	Version	URL
Ramset™ Specifiers Guide NZ (Design, Installation, Maintenance)		https://ramset.co.nz/wpcontent/uploads/2023/07/ramset_Specifiers_Guide_NZ_July-2023.pdf
Chemset™ 101 PLUS ETA (Certification, Design, Installation, Test results)		https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_ET_A_Chemset-101-ETA-13-0681.pdf
Chemset™ 101 PLUS SDS (Certification, Test results)		https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_C101C_SDS_chemset101plus_NZ.pdf

AnkaScrew™ Xtrem™

Heavy Duty Anchors

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Ramset™ 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

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