

Building Product Information Sheet

Class 1

Product Name:

Grabcon Concrete Framing Screw

Date of Report:

19 / 09 / 2023

Product Line:Grabcon[®] Concrete Screws**Product Description and its intended use:**

Fast Efficient Bottom Plate Fixing!

Grabcon[®] Frame is part of ICCONS concrete and masonry screw family, available in a zinc clear and galvanised finishes. The large torx drive flange head results in The Grabcon[®] Frame being ideal for timber frame fixing to concrete and various other timber to masonry and timber to timber applications. The Grabcon Frame is incredibly versatile with its cutting thread form allowing it to tap its own thread into masonry substrates. Large flange head, biting thread and high tensile steel lend great characteristics as a landscaping, framing, and general purpose applications. These versatile screws are an absolute must have in every tradies toolbox!

Key technical specifications:

- Product type: Concrete framing screw
- Finish options: Galvanised Steel, Zinc clear
- Head options: Pan head
- Material: High tensile steel
- Material specifications drill diameter: 6mm, maximum fixture thickness (mm) up to 45, drive type (torx) T40.
- Refer to document 'Grabcon Technical Bulletin' for specific values per part:

https://sestofasteners.co.nz/products/grabcon-concrete-framing-screw?_pos=1&_sid=2f9a71dd9&_ss=r

Product Identifier

Grabcon Frame Screw

Place of Manufacture:

Overseas

Manufacturer:

ICCONS PTY LTD

Importer:

Sesto Fasteners Limited

Address: 5e Piermark Drive
Rosedale, Auckland
Postcode: 0632
Website: www.sestofasteners.co.nz
Email: orders@sestofasteners.co.nz
Phone: +64 94158564
NZBN: 9429041704103

Relevant Building Code Clauses:

- B1 Structure: Performance clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4
- B2 Durability: Performance clauses B2.2
- F2 Hazardous Building Materials: Performance clause F2.3.1

Statement on how the building product is expected to contribute to compliance:

- B1 Structure: clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4:
 - ICCONS Grabcon Framing screws have been designed for fixing timber to concrete or brick/blockwork.
 - Domed washered head for high clamping force.
 - Non-expansion for close to concrete edge.
 - Can also be used for timber to timber applications.
 - Fully removable design (nothing left in concrete).
 - Performance is derived in accordance with AS 1720 - 2010 (timber structures).
 - ICCONS Grabcon timber screws have been assessed for recommended load in 20MPa concrete (minimum) in tension (kN). The Grabcon Frame screw anchor has been tested for pull-through capacity as referenced in AS 1720-2010. Minimum Recommended Load (pull-through / 35mm MGP10) = 3.4kN.
- B2 Durability: Performance clauses B2.2
 - Zinc coating option: 5 µm minimum.
 - Galvanised coating option: 42 µm minimum.
- F2 Hazardous Building Materials: Performance clause F2.3.1
 - Grabcon screws are safe when handled.

Limitations on the use of the building product:

- ICCONS Grabcon screws have been designed for light to medium duty applications.
- Drill diameter, minimum anchor embedment, and screw size may vary based on part. Refer to document 'Grabcon Technical Bulletin' for specific values per part:
https://sestofasteners.co.nz/products/grabcon-concrete-framing-screw?_pos=1&_sid=8bbd254d1&_ss=r
- The Grabcon Frame screw anchor has been tested for pull-through capacity as referenced in AS 1720.1-2010.
- Maximum recommend load (pull through/35mm MGP10) = 3.4 kN

Design requirements that would support the use of the building product:

ICCONS Grabcon screws have been designed for the following applications:

- General purpose applications
- Use as a landscaping screw
- Ideal for fixing bottom plate to concrete
- High tensile steel lends great characteristics to graming applications
- Timber to timber
- Concrete
- Stone
- Solid and hollow brick
- Solid and hollow block
- Lightweight concrete

Features that support the use of the building product:

- Large flanged head provides high clamping force
 - Torx 40 drive
 - Biting thread for self-tapping into masonry substrates
 - Simple and fast install straight through timber to masonry substrates
 - Available in hex and countersunk head variants
 - Available in zinc and galvanised finishes for internal and external applications
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Installation requirements:

ICCONS Grabcon Hex Head installation steps:

1. With the correct diameter drill bit, drill a hole to the depth of at least one diameter of the anchor deeper than required embedment.
2. Clean dust and other material from the hole.
3. Install with either a socket hex driver or cordless impact driver. Apply pressure against the fixing and rotate to engage the first thread.
4. Continue to tighten the anchor until head is firmly seated against fixture. Installation complete!

Maintenance requirements:

N/A, no on-going maintenance required.

Is the building product subject to warning or ban under section 26?:

No

