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Building Product Information Sheet

Class 1

Product Name:

Friulsider TPP Hammer Screw - Removable Screw

Date of Report:

01 / 11 / 2023

Product Line:

Friulsider Hammer Screws

Product Description and its intended use:

The TPP hammer screw nylon anchor is light duty, removable, quick application anchor for a range of common base materials. The pozi drive hammer screw enables the user to quickly fix the nylon plug with a hammer, and remove it using the pozi drive if needed. The simple design makes it ideal for countless applications and a range of base materials such as concrete, solid stone, solid and hollow brick, solid and hollow block and hollow slab.

Key technical specifications:
- Product type: Hammer Screw
- Finish options: Carbon Steel Zinc Clear - Removable Screw. Stainless Steel 304 A2 - Removable Screws. Nylon plug.
- Head options: Pozi Drive Head
- Base materials: Concrete, Stone, Solid Brick, Hollow Brick, Aerated Concrete.
- Special features: European Assessment ETA, Fire Rated.
- Load performance: Light loads.

Product Identifier

Friulsider Screws

Place of Manufacture:

Overseas

Manufacturer:

Friulsider S.p.A.

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:

- The TPP hammer screw nylon anchor is light duty, removable, quick application anchor for a range of common base materials. The pozi drive hammer screw enables the user to quickly fix the nylon plug with a hammer, and remove it using the pozi drive if needed. The simple design makes it ideal for countless applications and a range of base materials such as concrete, solid stone, solid and hollow brick, solid and hollow block and hollow slab.
- Friulsider TPP Hammer Screws hold European Technical Assessment, ETA reference ETA-10/0190, Category A of 26/02/2015.
- Recommended load data for a single anchor with large anchor spacing and edge distances is available. Results vary based on the anchor size and base material. Refer to document 'Friulsider TPP Technical Data' for test results for tensile and shear strength in both C20/25 Concrete and Solid brick, available in the link below:
https://sestofasteners.co.nz/products/fruilsider-tpp-hammer-screw-removable-screw?_pos=1&_sid=9cfb318d0&_ss=r
- Suitable for use in base materials: concrete, solid stone, solid brick.
- Partially suitable for use in base materials: honeycomb brick, light weight honeycomb brick, hollow light aggregate block, cell like clay brick, hollow dense aggregate block, aerated concrete.
- Friulsider TPP Hammer Screws hold a Ceritificate of Conformity from the Slovenian National Building and Civil Engineering Institute, compliant with EU Regulation No 305/2011 of the European Parliament. This document certifies that the factory production control is in compliance with the applicable performance requirements as described in ETA-10/0190. Valid until 24.7.2028. Refer to document 'ETA Certificate of Conformity- 1404 CPR 254', available in the link above.
- Compliant with requirements referenced in the National Construction Code (NCC).
- Suitable for overhead applications.

• B2 Durability: Performance clauses B2.2

- Friulsider TPP Hammer Screws hold a declaration of performance describing intended use, durability and material properties of the anchor. Refer to document 'Friulsider TPP Declaration of Performance' for manufacturer data, available in the link below:
https://sestofasteners.co.nz/products/fruilsider-tpp-hammer-screw-removable-screw?_pos=1&_sid=9cfb318d0&_ss=r
- Base material requirements: Normal weight concrete in accordance to European Standard EN206.
- Material properties: Sleeve: Polyamide Pa6 according to International Standard ISO1874.
Screw: White zinc plated steel 5µm according to European Standard EN ISO4042 cl/5.8 acc, to EN ISO 898-1.
Stainless Steel A2-50 AISI304 acc. to EN ISO 3506-1.
- Durability: Zinc plated steel for dry internal conditions. Stainless Steel A2 - AISI304.
- Installation temperature range: +5°C to +40°C. Working temperature range: +5°C to +40°C (maximum 80°C for short period).
- Design method of anchor is according to standard ETAG014, European Organisation for Technical Approvals. Declared performances according to ETA-10/0190 - ETAG014. Refer to document 'Friulsider TPP Declaration of Performance' for specific vales.

• F2 Hazardous Building Materials: Performance clause F2.3.1

- Friulsider Hammer Screws are safe when handled.

Limitations on the use of the building product:

- Friulsider TPP Hammer Screws are designed for installation temperatures of +5 / +40°C, and working temperatures of -40 / +40°C (max 80°C for short period). They are not suitable for use in situations outside these ranges.
- Notes on recommended load data available in document 'Friulsider TPP Technical Data'. available in the link below:
https://sestofasteners.co.nz/products/fruilsider-tpp-hammer-screw-removable-screw?_pos=1&_sid=c4f512eef&_ss=r
- The recommended loads derive from the mean ultimate loads and are inclusive of the total safety factor γ=6. The designing and calculation of the anchor should be carried out in accordance with the "FRIULSIDER FIXING GUIDE". - For certified sizes, the recommended loads derive from the characteristic loads on the ETA-10/0190 certification and are inclusive of the partial safety factors γt=1.5 and γm=2.0 for the designing and calculation of the anchorage see ETAG 014.
- In the absence of CE markings, the recommended loads derive from tests carried out in the Fruilsider laboratory in accordance with the appropriate standards. The load values are only valid if the installation has been carried out correctly. The design engineer is responsible for the designing and calculation of the fixing.
-The use of plastic anchors is not recommended for permanent suspended loading applications above 40°C.

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

Friulsider TPP Hammer Screws have been designed for use in the following applications:
- Concrete
- Stone
- Solid and hollow brick
- Solid and hollow block
- Lightweight concrete

Features that support use of the product:
- Hammer screw results in quick application
- Pozi drive enables operator to remove fixing if needed.
- Available in both carbon steel zinc plated removable screw and 304 stainless steel removable screw.

Installation requirements:

Installation steps:
1. Drill a hole into the base material using a drill with the appropriate bit size. The hole size should match the size of the Friulsider plug.
2. Clean dust and material from the hole.
3. Insert the plug into the hole.
4. Tap the head of the fixing with a hammer or mallet to set it flush with the surface of the base material. As you set the screw, the plug will expand inside the hole, securing it into place.
5. Installation complete!

Maintenance requirements:

N/A. no ongoing maintenance required.

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

No