

Building Product Information Sheet

Class 1

Product Name:

Friulsider X1 Evo - Absolute Plug

Date of Report:

01 / 11 / 2023

Product Line:

Friulsider Plugs

Product Description and its intended use:

Friulsiders X1 EVO is a must have in every toolbox! This universal plug works in a huge range of solid, hollow and plasterboard base materials for countless applications. Compatible with all screws (please check sizing guide), even metric screws! The polyamide grooves accompanied with the anti-rotation barbs ensure that the plug remains stable during screw insertion with complete radial expansion. This universal plug should be in every trade or DIY toolbox

Key technical specifications:

- Product type: Nylon Plug
- Finish options: Nylon Pa6
- Material specifications: Drill diameter, plug length and other values vary based on part number. Refer to document 'Friulsider X1 Evo Technical Data' for specific values, available in the link below:

https://sestofasteners.co.nz/products/friulsider-x1-evo-absolute-plug?_pos=1&_sid=a989d7449&_ss=r

Product Identifier

Friulsider X1 EVO

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:

- Friulsiders X1 EVO is a must have in every toolbox! This universal plug works in a huge range of solid, hollow and plasterboard base materials for countless applications. Compatible with all screws (please check sizing guide), even metric screws! The polyamide grooves accompanied with the anti-rotation barbs ensure that the plug remains stable during screw insertion with complete radial expansion. This universal plug should be in every trade or DIY toolbox.

- Friulsider X1 Evo Plugs have been assessed for recommended loads in a variety of base materials such as concrete, solid brick and plasterboard. Refer to document 'Friulsider X1 Evo Technical Data' for specific values per part, available in the link below.

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- Suitable for use in solid base material, hollow base material and plasterboard base material.

- Suitable for use with all screws such as hex head wood screws, chipboard screws and machine threaded screws.

- B2 Durability: Performance clauses B2.2

- Friulsider X1 Evo Plugs guarantee excellent pull out resistance in every base material, from concrete to plasterboard and provides perfect expansion with all screws, even metric ones!

- Material properties: Plug: Nylon Pa6. CSK Head / Pan Head chipboard screws: Zinc Clear, Class 5.6. Hex wood screws: Zinc clear, Class 5.6.

- Extra think countersunk rim.

- Collapsible rim.

- Dynamic geometry.

- Installation temperature range: +5°C to +40°C. Working temperature range: +5°C to +40°C (maximum 80°C for short period).

- Recommended load data is available for a single anchor with large anchor spacing and edge distances. Refer to document '1016.1 X1 Evo TDS' available in the link below:

https://sestofasteners.co.nz/products/fruilsider-x1-evo-absolute-plug?_pos=1&_sid=a989d7449&_ss=r

- Refer to document '1039.2 - Friulsider X1 Aerated Concrete TDS' for recommended load data in autoclaved aerated concrete (AAC) (\geq 5.0 MPa). Data is available on single spacing with large anchor spacing and edge distance.

- F2 Hazardous Building Materials: Performance clause F2.3.1

- Friulsider X1 Evo Plugs are safe when handled.

Limitations on the use of the building product:

- Friulsider X1 EVO Plugs are designed for installation temperatures of +5 to 40°C, and working temperatures of +5°C to +40°C (max 80°C for short period). They are not suitable for use in situations outside these ranges.

Notes to recommended loads data available in document '1016.1 - X1 Evo TDS'

- The use of plastic anchors is not recommended for permanent suspended loading applications above 40°C.

- Friulsider reserves the right to make modifications without prior notice.

- Avoid rotary percussion drilling when drilling into honeycomb brick and cell like clay brick.

- The torque has to be regulated according to the type of installation and base material. In the absence of CE markings, the recommended loads derive from tests carried out in the Friulsider 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.

- Refer to documents available in the link below for all applicable limits to design values and uses of the product:

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

Friulsider X1 EVO Plugs have been designed for use in the following applications:

- Building restoration
- DIY
- Facades
- Framework and various other substrates
- Concrete
- Stone
- Solid and hollow brick
- Solid and hollow block
- Lightweight concrete
- Plasterboard

Features that support use of the product:

- Polyamide grooves ensures complete radial expansion during screw insertion
- Anti-rotation barbs
- Made from high quality polyamide
- For use as pre-installed or through fixing
- Suitable for indoor or outdoor applications.

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. Ensure the plug is flush with the surface of the base material.
4. Insert the screw into the plug and turn clockwise with a screwdriver or power drill. As you tighten the screw, it will expand the plug 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

