

Health & Safety

Please follow all safety information contained in this product bulletin when using the Frangible Safety Post. Refer to this and/or other documentation for health, safety, and handling information on the products referenced in this bulletin.

Handling / Installation

The Frangible Safety Post is designed to be installed in conventional installation methods used currently for cylindrical steel sign supports utilising standard clips and fixings to attach the sign plate.



At 4.2kg per metre the 140mm post makes manual handling easy.

While the Frangible Safety Post is considerably lighter than steel posts of a similar size, care should be taken to ensure that installers handle this product in ways consistent with the Manual Handling Operations Regulations.

It is recommended that traffic sign installations are done by people trained in safe roadside work practices.

The posts have been specifically designed to be frangible on impact. Care should be taken when handling the posts not to impart any undue impact (such as dropping the posts on the ground from height) as this may detrimentally affect the structural performance of the product.

Cutting

Frangible Safety Posts may be cut with fixed or portable saws large enough for the task and fitted with an appropriate cutting blade or disc. Hand cutting with a hacksaw is possible though the quality of the cut is often not as good.

Warning: Cutting these posts may generate a small amount of dust. Ensure that personal protective equipment appropriate for this task is used.



The post is easy to cut to length on site.

Cleaning

The Frangible Safety Post may be cleaned with a mild detergent solution and sponge to remove dirt, grass cutting debris, etc. Many types of paper based self adhesive stickers may be removed by wetting the sticker, waiting and peeling it off.

Storage and Packaging

The Frangible Safety Post may be stored indoors or outdoors, as desired.

General Performance Considerations

The intended use of the Frangible Safety Post is for the mounting of appropriately sized, vertical traffic signs and other roadside devices. Other uses (i.e. where access holes are created low on the pole) have not been investigated and are not recommended.

It is the responsibility of the road authority to specify Frangible Safety Posts in locations appropriate for NE rated products.

Determining posts & foundation for a sign

Determining the appropriate post and foundation configuration for a sign is the responsibility of the specifier / road authority who will understand the physical conditions local to each proposed installation (altitude, terrain, wind speed, soil type).

The Frangible Safety Post requires foundations of the same size as would be appropriate for that sign if it were installed on steel posts in that location.

The Frangible Safety Post range has been tested at mounting heights of 1500m and above. The posts have also been successfully tested in soil and concrete foundations.



Direct burial installation as for steel posts.

When specifying / installing signs on multiple posts equal loading of each post is recommended to maximise wind load carrying capacity for that installation. When multiple 140mm Frangible Safety Posts are used for a sign they may be installed as close as 750mm apart. All other sizes should be installed at least 1600mm apart.



Installation with sockets

Mounting another sign on installed posts

A post and foundation suitable to support a particular sign may not be sufficient to carry another in that location. Any substitution of signs or unplanned additions of supplemental plates to an existing installation should only be done after confirming that the post / foundation are not taken beyond its maximum wind load design capacity.



Post uses standard clips and fixings.

While the posts are not designed for access panels to be cut into them the Frangible Safety Posts can be used for illuminated signs with the installation of an appropriate cut off mechanisms. The Posts have been successfully crash tested with illuminaires and cut off systems installed.

Warning: Ensure that personnel use personal protective equipment appropriate for clear up activities.

Frangible Safety Posts Ltd. reserve the right to investigate any Frangible Safety Post reported to have failed inappropriately.

IMPORTANT NOTICE TO PURCHASER

Technical information provided by Frangible Safety Posts Ltd. is based on experience and/or tests believed to be reliable but its accuracy is not guaranteed and the results may not be relevant to every user's application. Frangible Safety Posts Ltd. does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use.

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All questions of liability relating to Frangible Safety Posts Ltd products are governed by the seller's terms of sale subject where applicable to the prevailing law.

If any goods supplied or processed by or on behalf of Frangible Safety Posts Ltd prove on inspection to be defective in material or workmanship Frangible Safety Posts Ltd will (at its option) replace the same or refund to the Buyer the price of the goods or services.

Except as set out above, all warranties and conditions, whether expressed or implied, statutory or otherwise are excluded to the fullest extent permissible at law.

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