

FIREPRO

CI/SfB

B400 FIXING DATASHEET – Nov 14

FIRE PROTECTIVE BUILDING PRODUCTS

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Product specifications can change. Contact us to ensure you have our latest datasheet

FIREPRO B400 SPIRALITE Fixing Details - Screw Fix

STANDARD 3 SIDED BEAM.

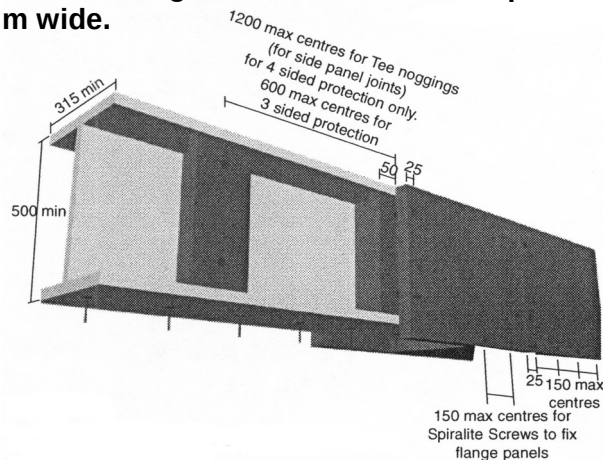
For universal sections up to 500mm deep and 315 mm wide.

NOTES

1. Spiralite Board supplied 1800 x 1200 as standard.
2. Spiralite Screws supplied galvanised as standard.
3. All joints are square butt joints. No adhesive or filler is required.
4. All noggings to be 100mm wide with the same thickness as Spiralite board to provide fire rating required (with a minimum of 30mm).
5. Optimum length of Spiralite Screws is total nominal thickness of panels to be joined together less 5mm. Longer screws can be used.

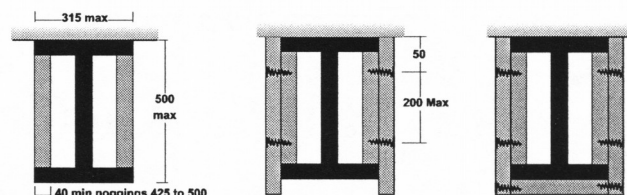
DEEP WEB and/or WIDE FLANGE SECTIONS - 3 and 4 sided protection

For universal greater than 500mm deep or 315 mm wide.



NOTES

1. Spiralite Board supplied 1800 x 1200 as standard.
2. Spiralite Screws supplied galvanised as standard.
3. All joints are square butt joints. No adhesive or filler is required.
4. All noggings to be 100mm wide with the same thickness as Spiralite board to provide fire rating required (with a minimum of 30mm).
5. Optimum length of Spiralite Screws is total nominal thickness of panels to be joined together less 5mm. Longer screws can be used.
6. Soffit flange panels wider than 315mm to have additional support using 3mm diameter copper coated steel pins welded to soffit at 300mm centres and 38mm diameter non-returnable spring steel washers.

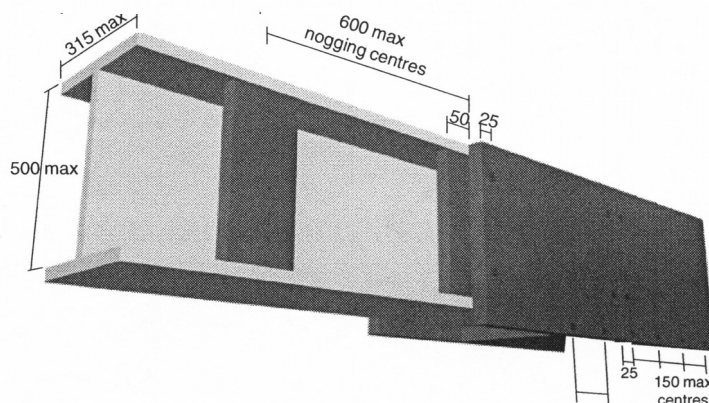


FIXING SEQUENCE

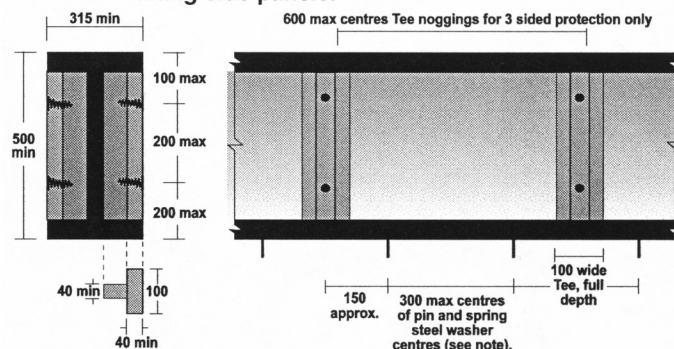
A. Push fit 100mm wide noggings into web, flush with flange edges, at 600mm centres.

B. Cut depth of Spiralite side panels equal to depth of section to be protected plus nominal thickness of Spiralite. Fix using Spiralite Screws at ends of each panel and to each intermediate noggin.

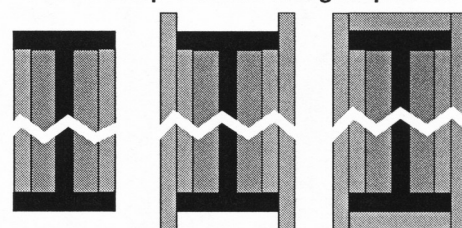
C. Cut width of Spiralite soffit panel equal to width of bottom flange. Fix panels up against flange using Spiralite Screws at 150mm max centres along each side.



fixing side panels.



Four sided protection fixing sequence.



A. 3mm diameter pins on centre of soffit flange of **wide beams only** at 300mm centres.

B. Noggings for deep web sections formed out of same thickness of Spiralite Board for fire rating. Tee-shape joined using Spiralite screws and push-fit into web.

NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. If used beyond the situations detailed on this datasheet we advise confirming their suitability before installation. All dimensions are nominal.

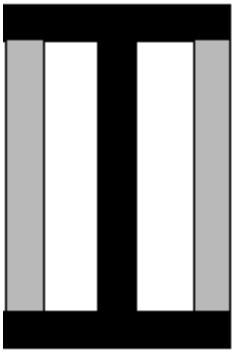
We reserve the right to make changes or to withdraw designs and products without notice.

SPIRALITE

Fixing Details (continued)

SPIRALITE

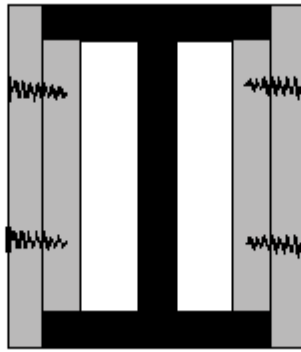
General fixing detail to columns - Screw Fix.



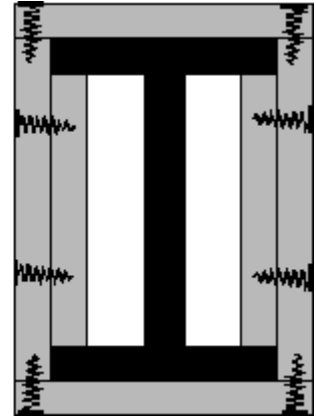
FIXING

SEQUENCE

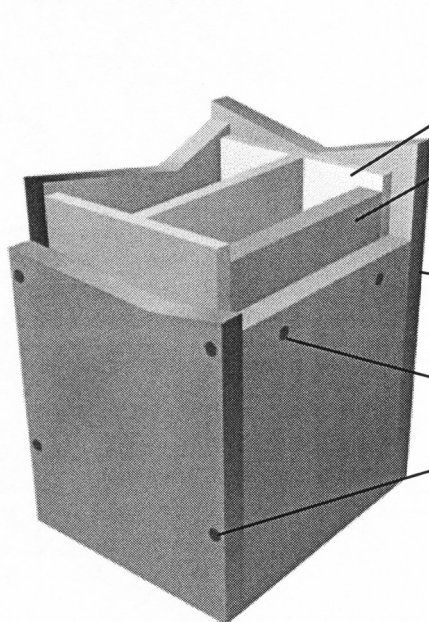
A. Push in 100mm wide noggings flush with flange toes, at 1800mm centres



B. Cut web panels equal to depth of section and secure on noggings with Spiralite screws at 200mm maximum centres



C. Cut flange panels to width of section, plus 2 x nominal protection thickness. Secure both edges onto web panels using Spiralite Screws at 150mm maximum centres.



Steel column

Spiralite Nogging: Thickness to be same as protection thickness with a minimum of 30mm. Noggings to be placed at board joints and the tops and bottoms of columns.

Spiralite Board

Spiralite Screws: Optimum screw length to be twice the protection thickness less 5mm. Longer screws may be used. No adhesive or filler is required

