

Roof Rack™ For metal deck roofs

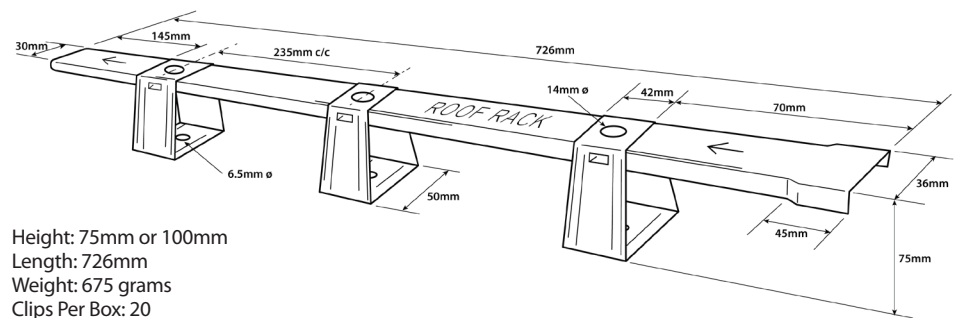
Product description

Roof Rack™ is a patented insulation spacer which is endorsed by all leading roofing manufacturers for use with concealed fixed metal deck roofs to allow glasswool insulation blanket to recover to its nominal thickness. *Roof Rack* is made from high-tensile Australian steel making it strong and rigid. *Roof Rack* creates the space needed for glasswool insulation blanket to recover to its full nominal thickness which is required to achieve a minimum Total R3.2 rating as required in Part J of the BCA.

Material specifications

The *Roof Rack* is available in two sizes: 75mm and 100mm height. The 75mm *Roof Rack* should be used with 100mm Building Blanket and the 100mm *Roof Rack* should be used with 130mm blanket where a total R3.7 rating is required.

Roof Rack is manufactured using high tensile BlueScope galvanised steel. The top channel is manufactured from 1.2mm, G500 (500MPa yield) with AZ150 (150g/m² coating mass). The legs are manufactured from 1.2mm, G2 with AZ150.

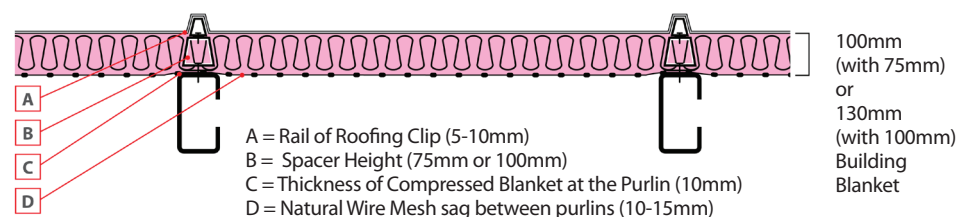


Height: 75mm or 100mm
Length: 726mm
Weight: 675 grams
Clips Per Box: 20

Roof Rack spacers have been tested at NATA accredited laboratories (with and without concealed roof sheeting attached) for wind uplift, serviceability and foot traffic / load limits according to AS1562.1. Testing demonstrated that the use of *Roof Rack* did not diminish the performance of the concealed fixed roof system.

When cutting is required *Roof Rack* can be easily cut using a power saw with a steel cutting blade or a power nibbler. Avoid the use of abrasive discs as these can cause burred edges and coating damage. If not required for immediate use, *Roof Rack* should be kept dry.

Measurements with 100mm and 130mm Blanket



Compatible Roof Systems

Roof Rack is suitable for use with the following concealed fixed roof systems

- > Lysaght Klip-Lok® 700
- > Stramit Speed Deck Ultra®
- > Fielders King Klip® 700
- > Steeline Lokdek® 680
- > Metrol Metlok® 700

Roof Rack will perform as specified only when fixed in accordance with the installation instructions on the reverse of this sheet. Standard *Roof Rack* spacers are not suitable for use in cyclonic areas. New cyclonic rated *Roof Rack* spacers will be available soon.

Roof Rack Accessories

Roof Rack End Clips are used at the start and end (if required) of each purlin to provide extra support – refer to the installation instructions.

Roof Rack Cover Plates are attached to standard *Roof Rack* spacers for use with all major pierced fixed roofing systems – refer to the installation instructions.

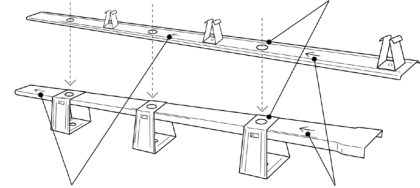


Installation

Pre fixing of roof clips or cover plates to Roof Rack™ for profiles that have a coverage of 680mm to 700mm. Fix the approved roofing clip to the Roof Rack as follows:

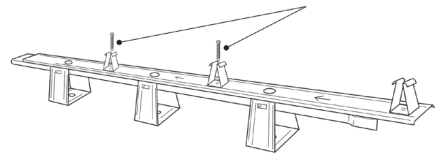
1. Align the directional arrows on the roof clip and the Roof Rack so they are pointing in the same direction.
2. Align the 3 x 15mm diameter access holes on the roof clip to the corresponding access hole on the top legs of the Roof Rack. This will result in one end of the roof clip being proud of the Roof Rack - see diagram 1.
3. Fix the roof clip to the Roof Rack as you would normally do on the roof using standard small roofing screws*.
NOTE - only two clips are fixed to the Roof Rack and one is left to cantilever over the edge - see diagram 2.
4. The roof clip and Roof Rack are now joined to form one unit. These can now be lifted onto the roof area.

Diagram 1 Align access holes



Ensure directional arrows point in the same direction

Diagram 2 Fix clips to Roof Rack



Cantilevered section - overhanging the Roof Rack

On the roof

The Roof Rack can be installed on the roof in the same way as when the roof clip is used independently. The Roof Rack can be used without the roof clip for pierce fixed applications (refer to Diagram 3 for use with cover plate). In a pierce fixed system, the cover plate can be inserted on top of the Roof Rack's access holes before the roof sheet is installed.

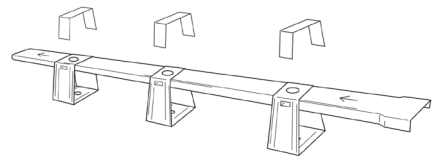
The Roof Rack will allow the Building Blanket used to recover to its full nominal thickness to achieve a minimum total R3.2 rating as required in part J of the BCA.

Other roofing types

Roof Rack system can be used with sheets that are less than 680mm or more than 700mm wide, including pierce fixed roofing. These clips cannot be pre assembled on the ground.

Visit www.insulation.com.au for the full set of Roof Rack installation instructions.

Diagram 3 Fix cover plates to Roof Rack



Specification

When specifying, state the following:

Application: Incorporate Fletcher Insulation Roof Rack Thermal Insulation Spaces over Fletcher Insulation Building Blanket along the purlin line to achieve recovered thickness of the insulation blanket.

Product name: Fletcher Insulation Roof Rack (75mm) Thermal Insulation Spacer or Fletcher Insulation Roof Rack (100mm) Thermal Insulation Spacer.

