

Insulated Panels

UK and Ireland

Technical Update: TU 032

QuadCore® KS1000RW Roof Panel, Wide Flange Purlin

Tech-eXchange



KINGSPAN QUADCORE® KS1000RW ROOF PANEL, WIDE FLANGE PURLIN

DATE: OCTOBER 2022

The purpose of this technical update is to advise both the client and customer of the potential benefits of utilising a wide flange purlin at panel to panel end laps, when specifying Kingspan Quadcore® KS1000RW Roof Panel.

The purpose of the wide flange purlin is to provide an increased supporting bearing face, where a combination of both Cold Rolled steel alignment and panel manufacturing tolerances occur. When combined together these tolerances can make achieving the required bearing and installation requirements difficult with a standard rail.

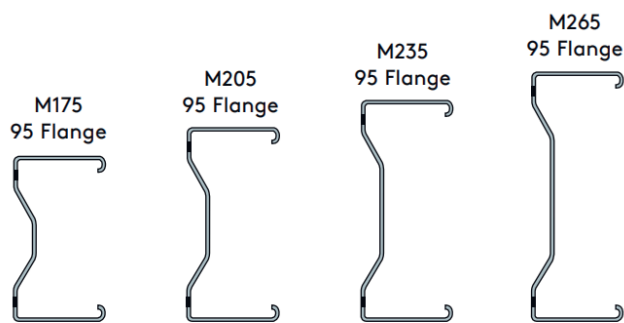
In the past where installers have been confronted with these issues they have opted for a secondary ledger plate to achieve the specific requirements, based on our experience we would suggest that this approach is:-

- 1) Expensive doubling the cost of the specific support.
- 2) Time consuming.
- 3) A specific fastener specification will need to be considered due to the material build up at this location.
- 4) Increased Health and Safety considerations need to be made due to the requirements to install in front of the cladding line.

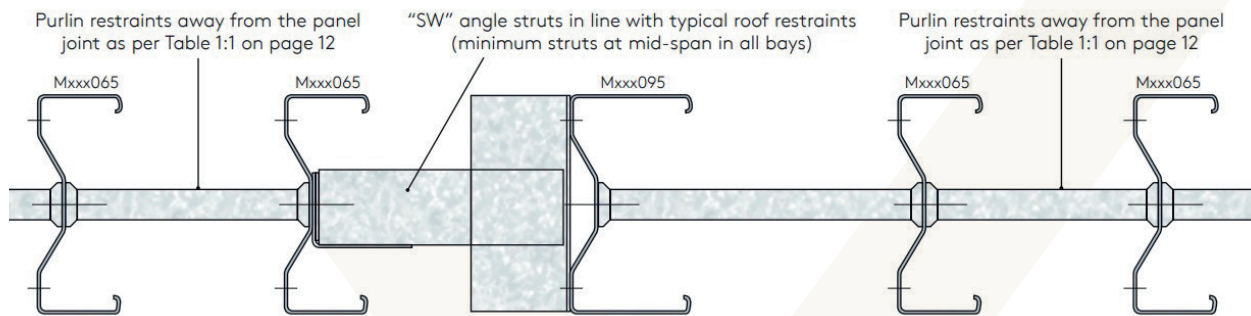
As indicated we can confirm that Kingspan structural products can provide the following options within their range which create a 95mm wide bearing flange. However where alternative cold rolled suppliers are specified the client / customer should discuss options that maybe available with the specific cold rolled supplier.

KINGSPAN QUADCORE® KS1000RW ROOF PANEL, WIDE FLANGE PURLIN

The Wide Flange purlin is a standard option within the Kingspan Structural product range for the Multibeam purlin range and is available in the following options, with a minimum gauge of 1.5mm.



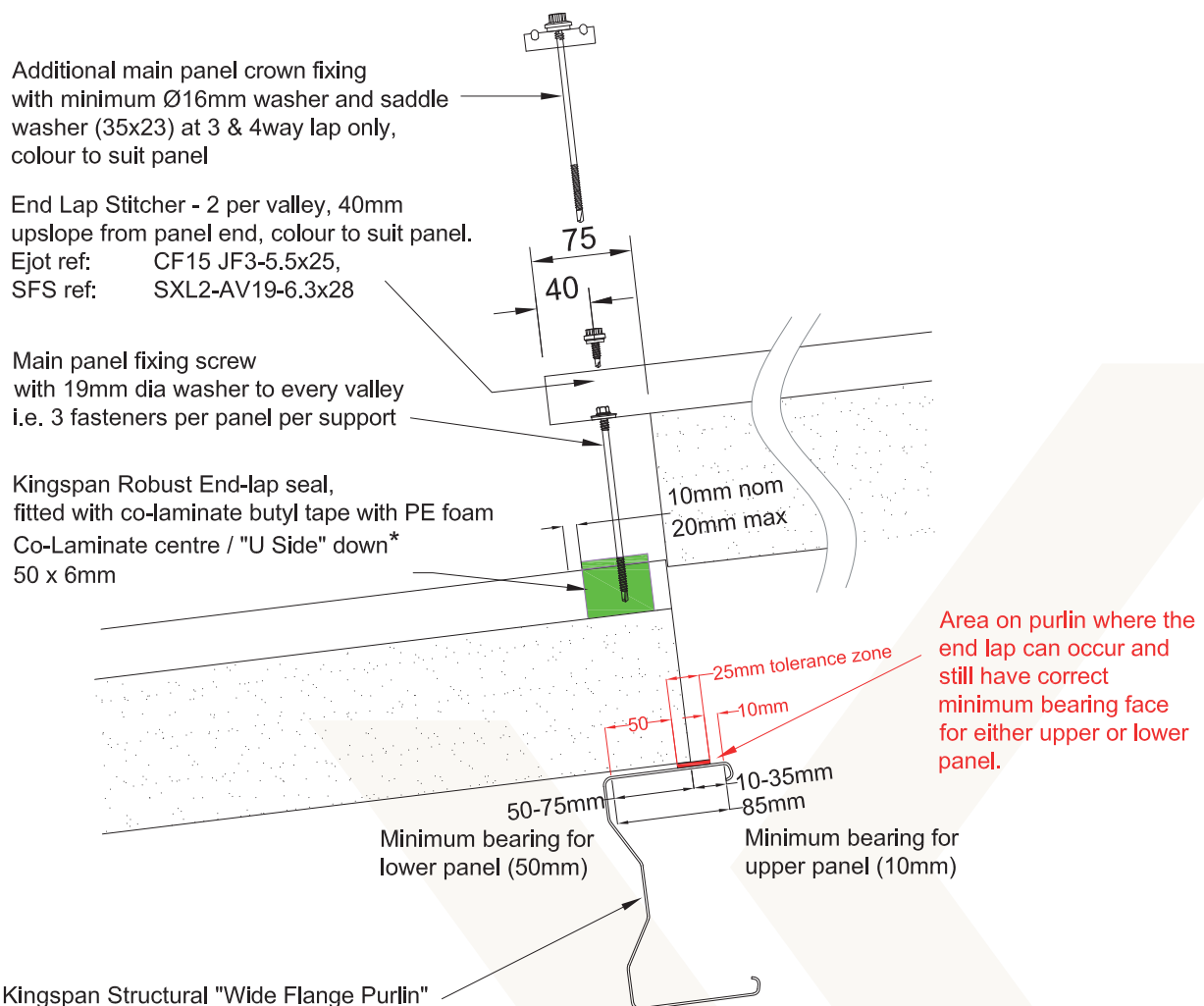
When using the wide flange purlin, the purlin restraints must be upgraded as shown below to ensure stability of the section. Please contact Kingspan Structural Products Technical department for further information, Tel: 01944 712 222.



KINGSPAN QUADCORE® KS1000RW ROOF PANEL, WIDE FLANGE PURLIN

DATE: MAY 2022

Panel Endlap Construction Detail



Contact Details

UK

Kingspan Limited
Greenfield Business Park No.2
Greenfield | Holywell
Flintshire | CH8 7GJ

T: +44 (0) 1352 716100
F: +44 (0) 1352 710161
www.kingspanpanels.co.uk

Ireland

Kingspan Limited
Carrickmacross Road
Kingscourt | Co.Cavan

T: +353 (0) 420969 8500
www.kingspanpanels.ie

For the product offering in other markets please contact your local sales representative or visit www.kingspan.com

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