

Insulated Panels
Ireland

Technical Update: EU121 QuadCore® Topdek Roof Panel Patch Free Design

Tech-eXchange


Kingspan®

QUADCORE® TOPDEK ROOF PANEL PATCH FREE DESIGN

DATE: APRIL 2023

The purpose of this Technical Update is to highlight the method by which the Topdek roof panel can be installed to achieve a patch free appearance. This will reduce installation time, site waste and costs.

Fasteners required at panel ends:

The Topdek roof panel is fixed with 5 number fixings at the panel ends. All fixings are concealed below the membrane flap located at the panel end lap, so no patches are required

Fasteners required at intermediate supports:

At the intermediate support location, the actual number of fasteners required must be calculated based on the wind suction loadings, fastener pull out values and the panel span.

Option 1: Where only 1 fastener is required at intermediate purlin locations.

- Fastener can be located through the panel side lap, which will result in the fastener being concealed below the membrane side lap detail, resulting in no patches required. See figure 1. awarded.

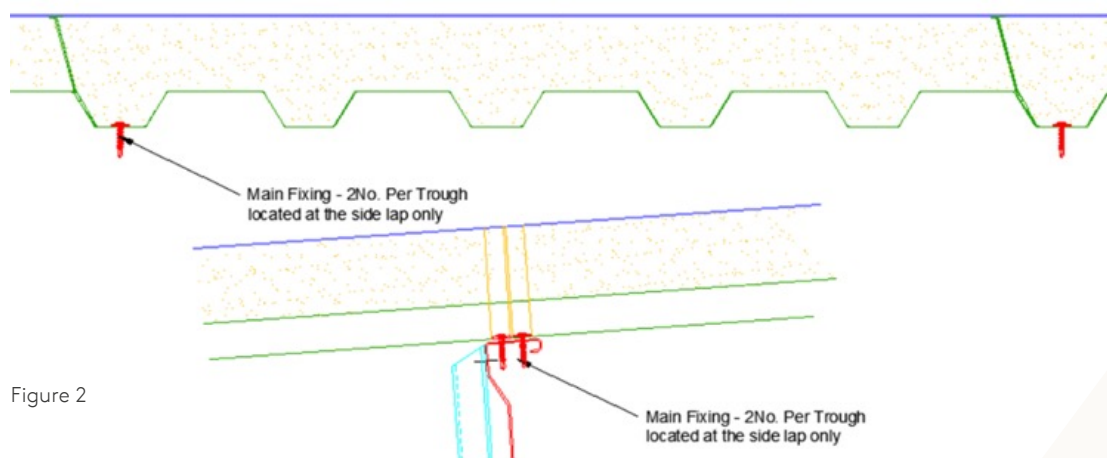


Figure 1

QUADCORE® TOPDEK ROOF PANEL PATCH FREE DESIGN

Option 2: Where 2 fasteners are required at intermediate purlin locations.

- The 2 fasteners can be located through the panel side lap, which will result in the fastener being concealed below the membrane side lap detail, as shown in figure 2.



This will remove the need for patches on the roof to weather the piercings in the membrane where a maximum of 2 fixings are required at intermediate purlins.

For calculation support to determine the number of fixings required at intermediate purlin locations please contact the Kingspan Insulated Panels Technical Services team.

Installation Training:

Our Field Service Engineering team can provide installation training and onsite support where required. The Field Service team can be contacted on fieldservice.ireland@kingspan.com

Should you have any queries on the above or require further information, please do not hesitate to contact the undersigned.

Regards,
Kingspan Insulated Panels Technical Services.
IRL: Technical.Ireland@Kingspan.com
IRL: 00353 42 96 98529

Contact Details

Ireland

Kingspan Limited
Carrickmacross Road
Kingscourt | Co.Cavan

T: +353 (0) 42 9698 529
www.kingspanpanels.ie

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

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.

