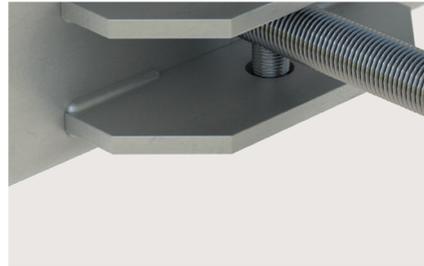


Insulated Roof & Wall Panels
UK & Republic of Ireland

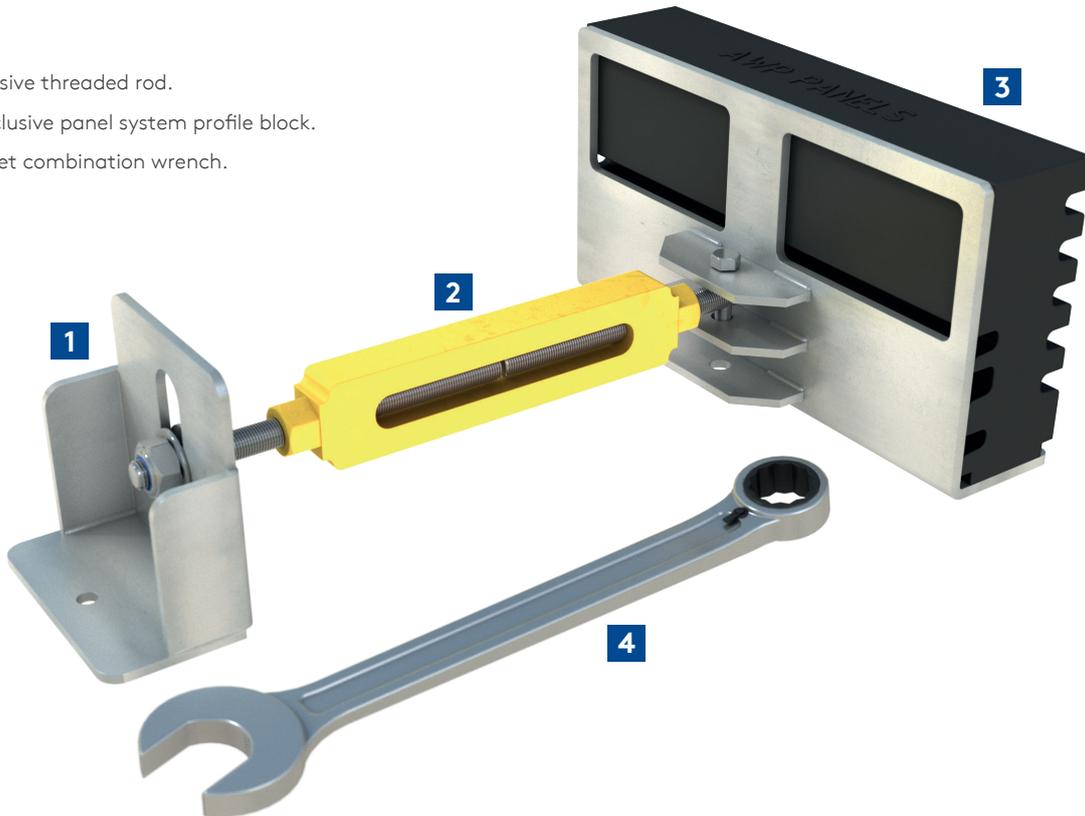
Panel Clamp Assembly Installation Guide



Panel Clamp Assembly

Components

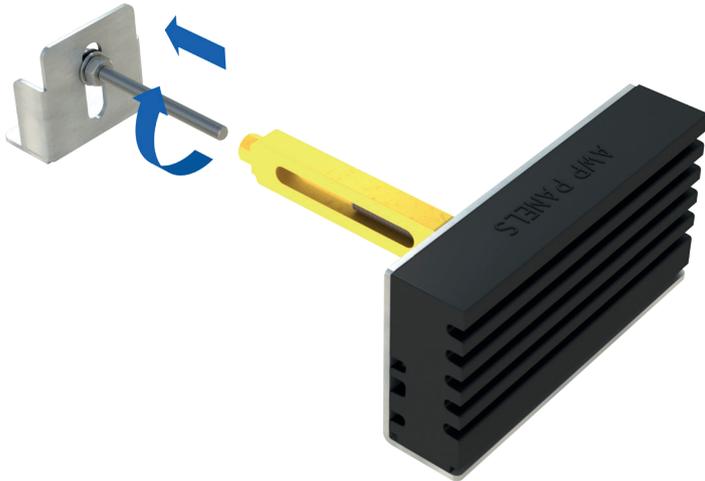
- 1** Rail Mount.
- 2** Turnbuckle inclusive threaded rod.
- 3** Panel mount inclusive panel system profile block.
- 4** Reversible ratchet combination wrench.



Panel Clamp Assembly

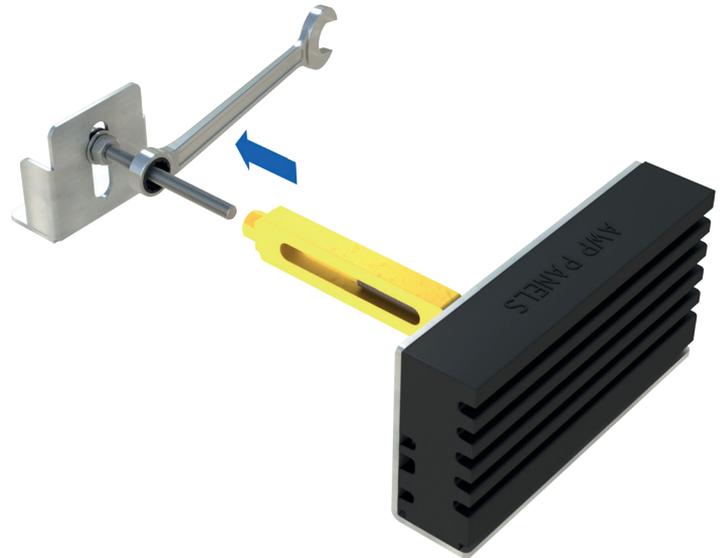
Removing rail mount

While holding the turnbuckle, rotate rail mount anticlockwise until it detaches.



Ratchet engagement

Engage combination wrench on to threaded rod.



Panel Clamp Assembly

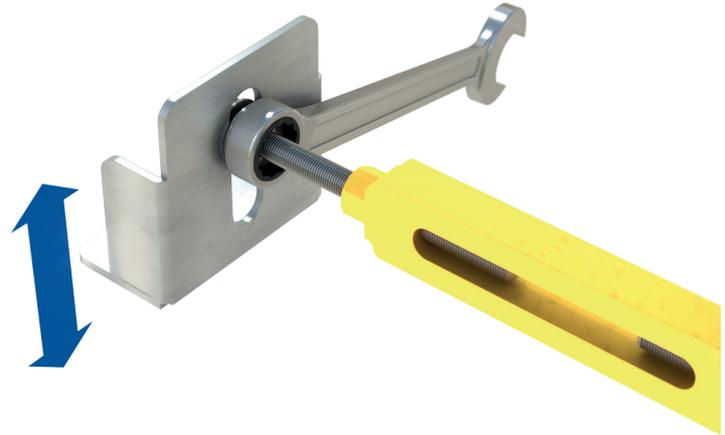
Re-engage rail mount to turnbuckle

While holding the turnbuckle, engage the threaded rod into the turn buckle and rotate the rail mount clockwise.



Turnbuckle to rail mount adjustment

Slacken locking nut, position turnbuckle parallel with secondary support rail (so panel clamp load is forced directly into panel).

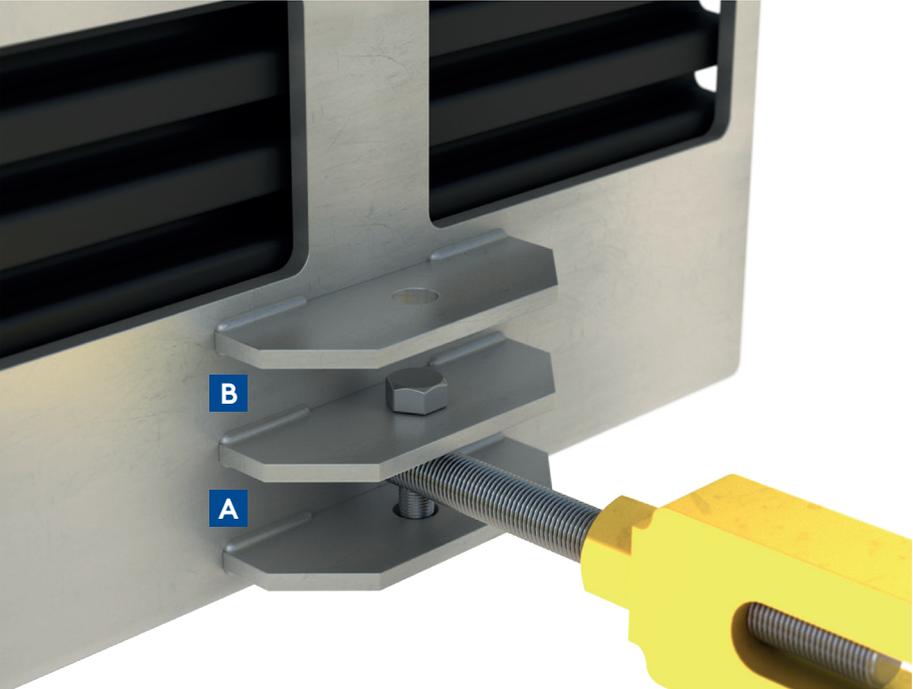


Panel Clamp Assembly

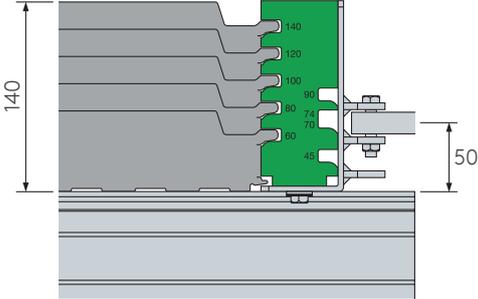
Turnbuckle to rail mount adjustment

Slot A panel thickness up to 100mm.

Slot B panel thickness above 100mm

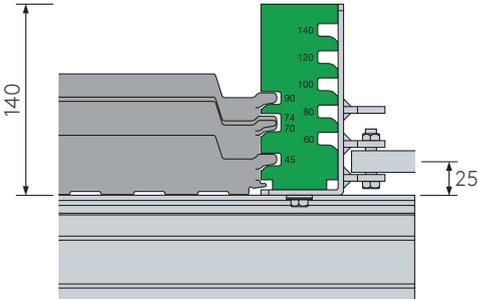


Position panel thickness above 100mm.



Plan view on cladding rail

Position panel thickness up to 100mm.



Plan view on cladding rail

Panel Clamp Assembly

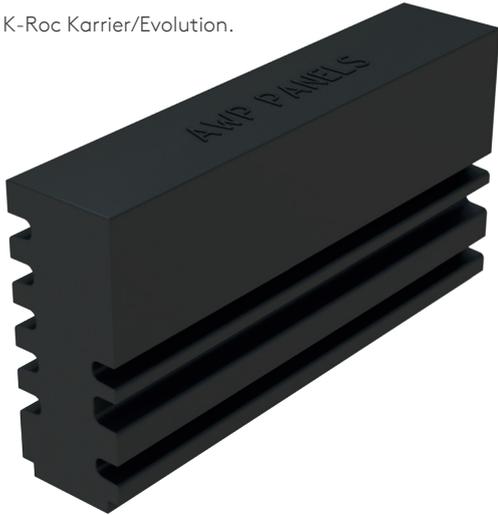
Panel system profile block

Each panel system has a profile block with the product profile stamped on the top.

In this example, we have the AWP panel system profile block.

Profile blocks currently available:

- AWP.
- AWP Supreme.
- Coldstore.
- K-Roc Karrier/Evolution.



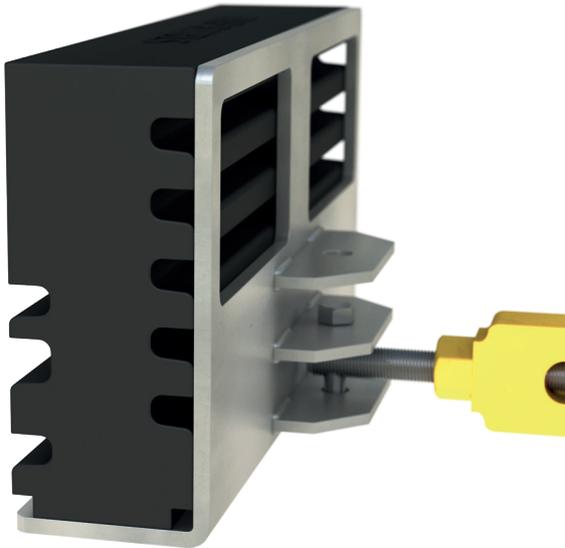
Each profile block has 2 No threaded holes on the bottom, these are used when attaching the profile block to the panel mount with securing bolts.



Panel Clamp Assembly

Engauge profile block onto panel mount

Ensure orientation is correct for chosen panel thickness.



Secure profile block to panel mount.

Secure profile block to panel mount with 2No bolts (supplied).

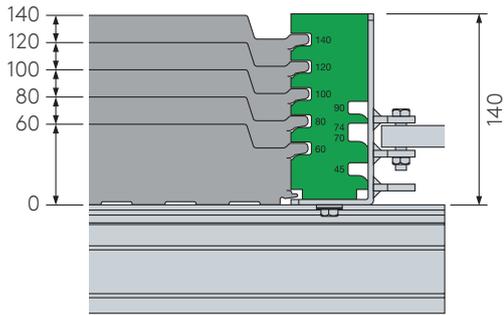


Panel Clamp Assembly

AWP profile block

Position male panel joint relative to panel thickness as illustrated.

Position panel thickness above 100mm.

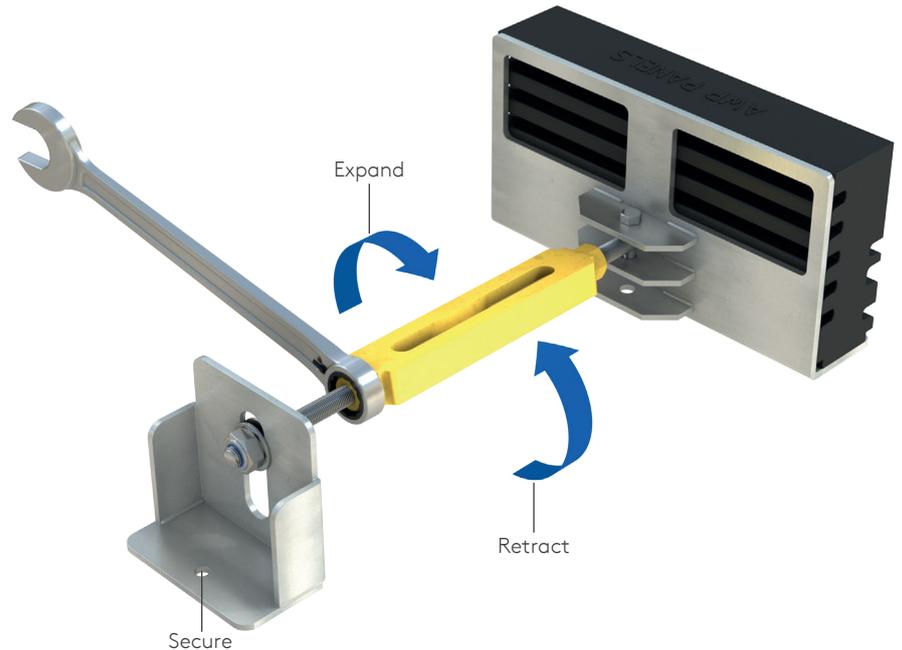


Clamp adjustment

Rotate reversible ratchet clockwise to expand clamp.

Rotate reversible ratchet anticlockwise to retract clamp.

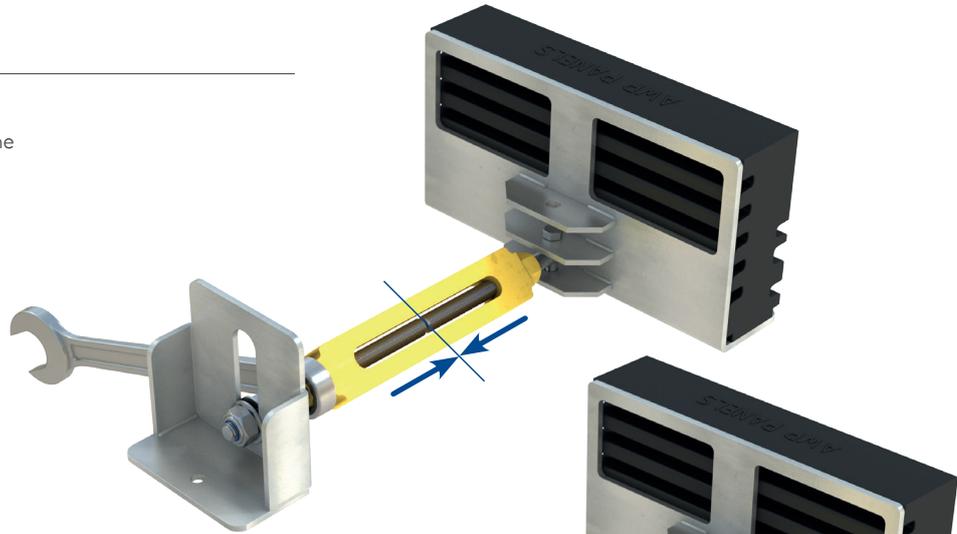
Secure Rail mount into rail with a suitable fastener.



Panel Clamp Assembly

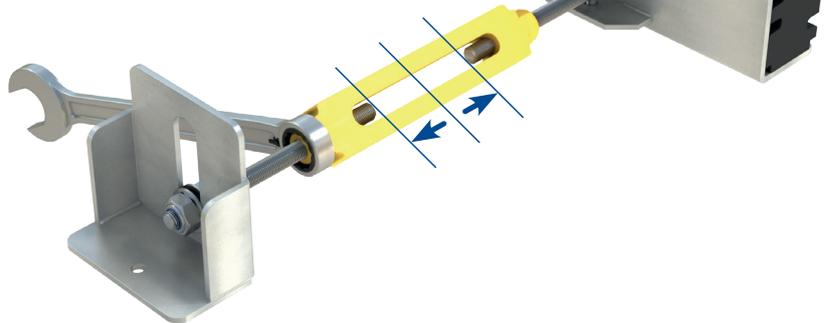
Correct setup

Treaded rods to be brought back to centre line of turn buckle for every panel clamp use.



Incorrect setup

Do not use when threaded rods are in this position as potential loads will result in thread damage to the turnbuckle.

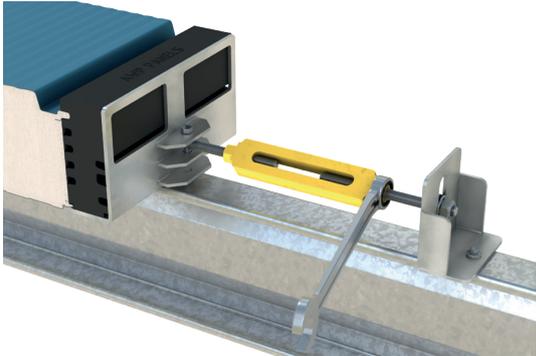
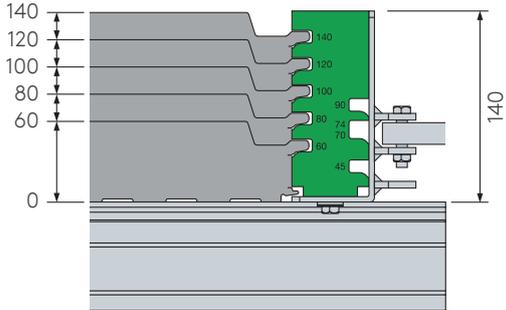


Panel Clamp Assembly

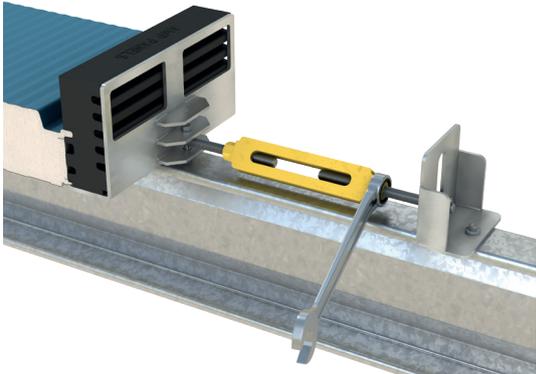
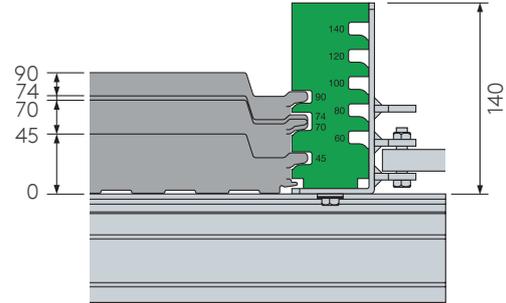
AWP profile block



Position panel thickness above 100mm.



Position panel thickness up to 100mm.

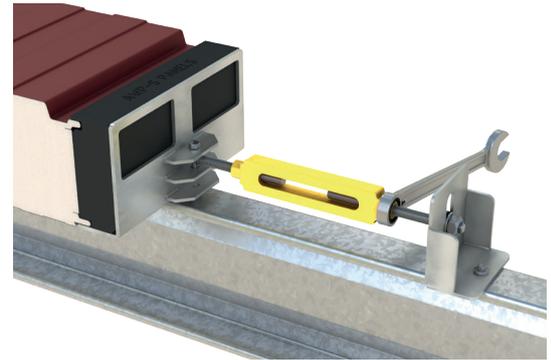
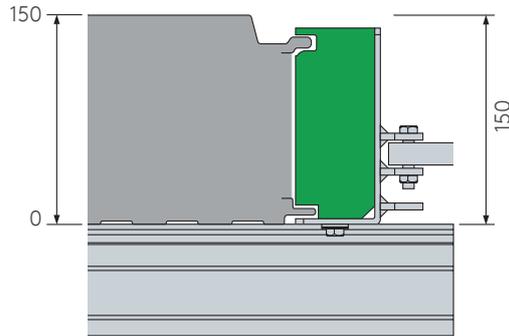


Panel Clamp Assembly

AWP-S profile block

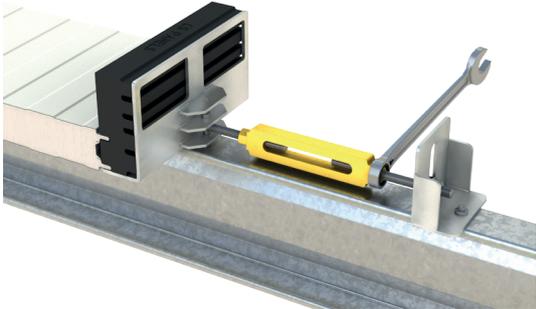
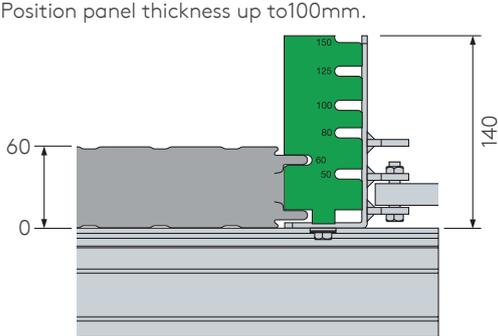
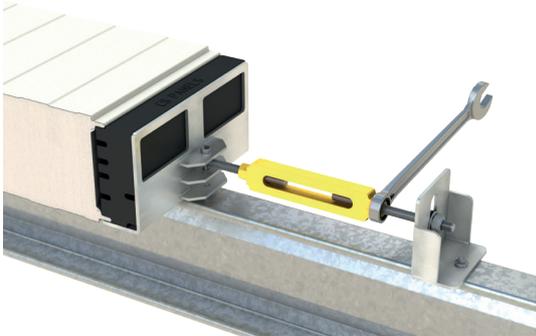
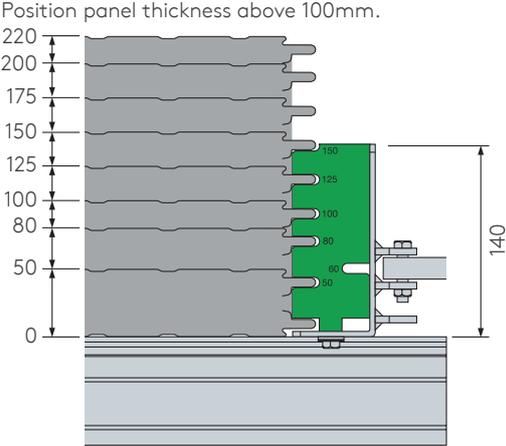


Position panel thickness above 100mm.



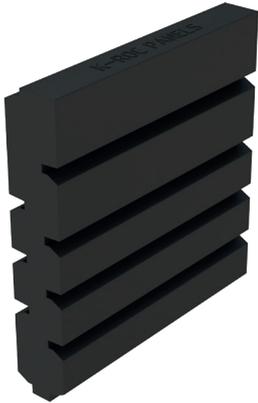
Panel Clamp Assembly

CS Coldstore profile block

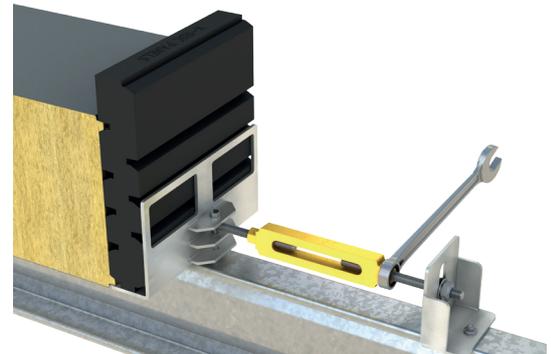
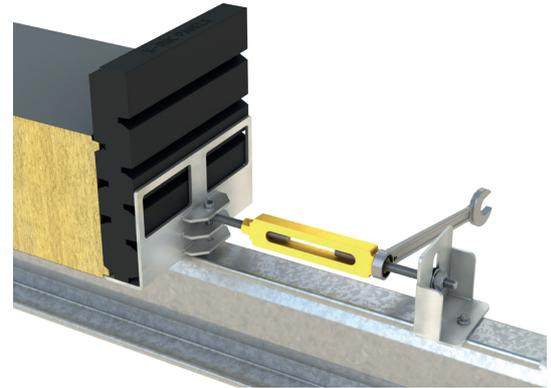
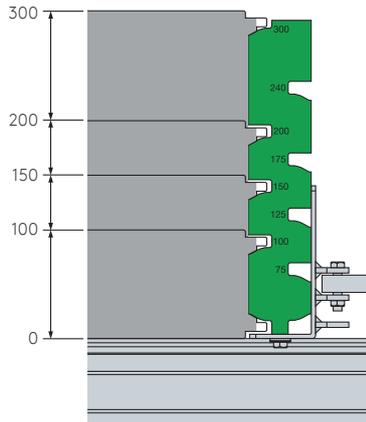
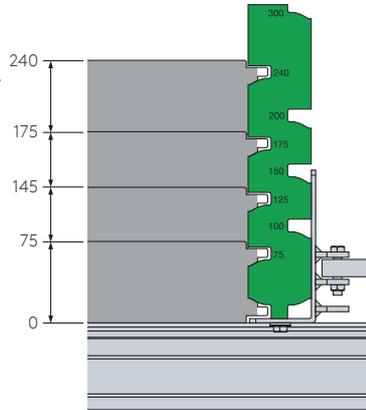


Panel Clamp Assembly

K-Roc Karrier profile block



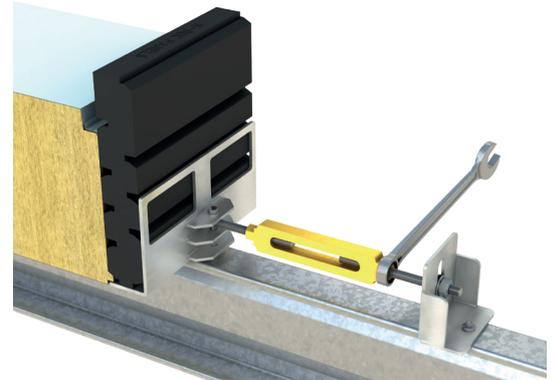
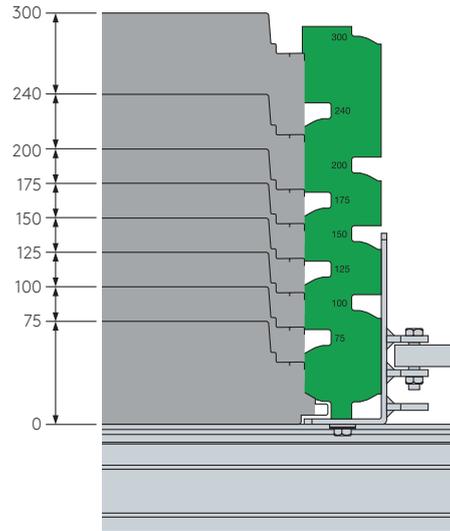
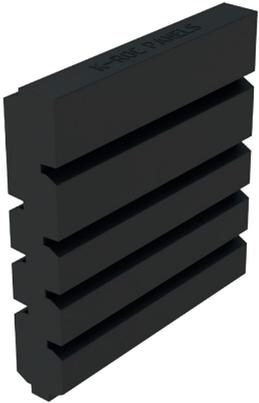
Position panel thickness above 100mm.



Panel Clamp Assembly

K-Roc Evolution profile block

Position panel thickness above 100mm.



Installation guides are available for most of Kingspan insulated roof and wall panels.
Please call Kingspan Tech-eXchange team on the numbers below.
For the most up to date version of this Installation guide please scan the relevant QR codes below.

United Kingdom

Kingspan Limited

Greenfield Business Park No. 2,
Greenfield Holywell, Flintshire,
North Wales CH8 7GJ

T: +44 (0)1352 716101
or Freephone: 0800 587 0090
info@kingspanpanels.com
www.kingspanpanels.co.uk



Ireland

Kingspan Limited

Carrickmacross Road, Kingscourt
Co.Cavan, A82 E897

T: +353 (0) 42 9698529
info.ire@kingspanpanels.com
www.kingspanpanels.ie



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

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Insulated Panels 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 Insulated Panels and its subsidiaries accept no liability in respect thereof.

First Issue : September 2025

