

KingZip IP KS1000 ZIP IP Standing Seam System Installation Guide

Multiple Panels Eaves to Ridge



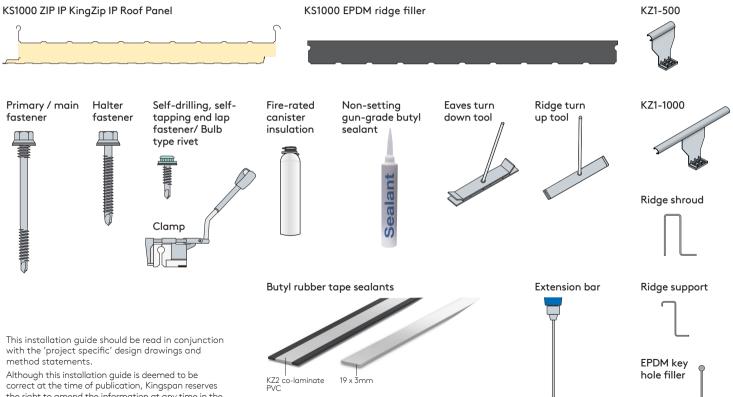






February 2021

Components



the right to amend the information at any time in the future. Installation guides are available for most of Kingspan insulated roof and wall panels.

Note: Ensure steel work is suitably lined, levelled and within tolerance.

Ensure panel joints are pulled tight to adjacent panels to close any gaps as works progress.

This guide illustrates the installation of KS1000 (90) using the KZ1-90-1000 Halter and KZ1-90-500 Halter.

All panels are supplied with a 200mm factory notch on the flush end of the panel standing seam (Halter Side).

Ensure lower panel is bearing on to purlin by a minimum of 30mm.

Gun-grade sealant type - non-setting butyl sealant.

As an alternative to using butyl air sealants, a PVC foam tape (SGV15P 20 X 9 PVC) can be used for an air seal.

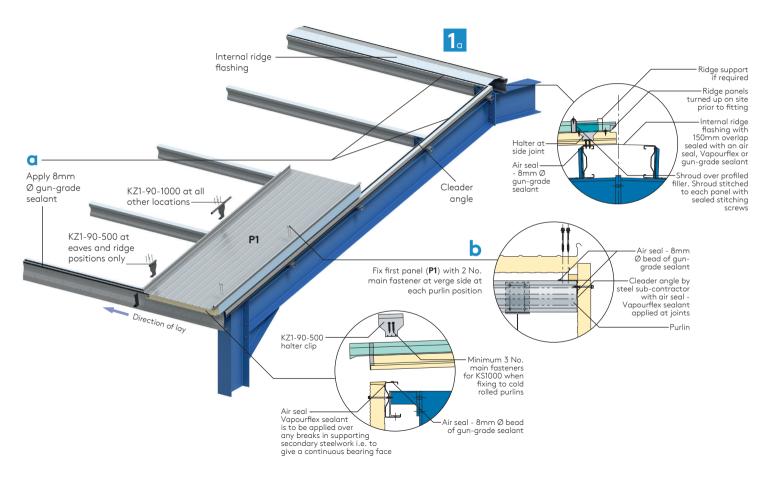
For many years sealant suppliers have advised caution when using sealants in temperatures less than +5°C.

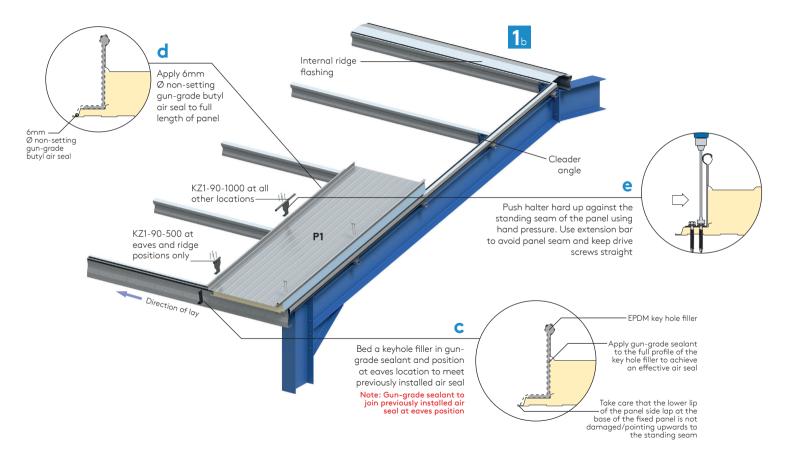
For high humidity, hygiene internal environments, etc, please contact the Kingspan Technical Services Department for specification guidance.

Protective film to be removed from external weather face of panel & internal liner, where applicable, prior to installation.

Colour of sealants within this installation guide are for illustration purposes.

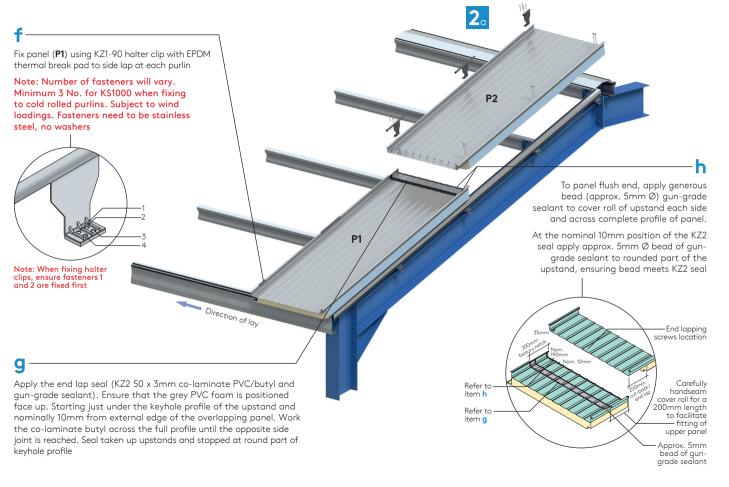




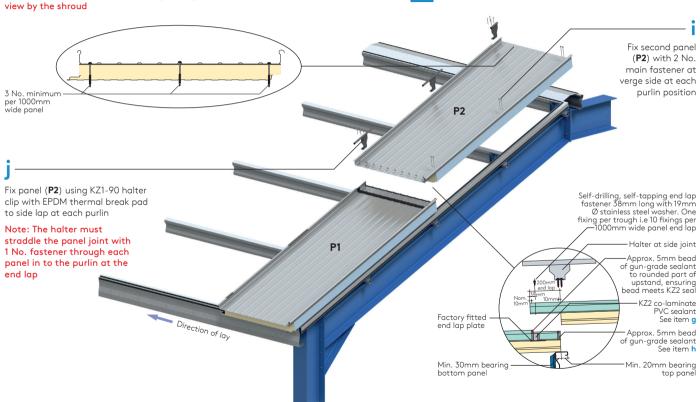


KingZip IP KS1000 ZIP IP Standing Seam System

Multiple Panels Eaves to Ridge



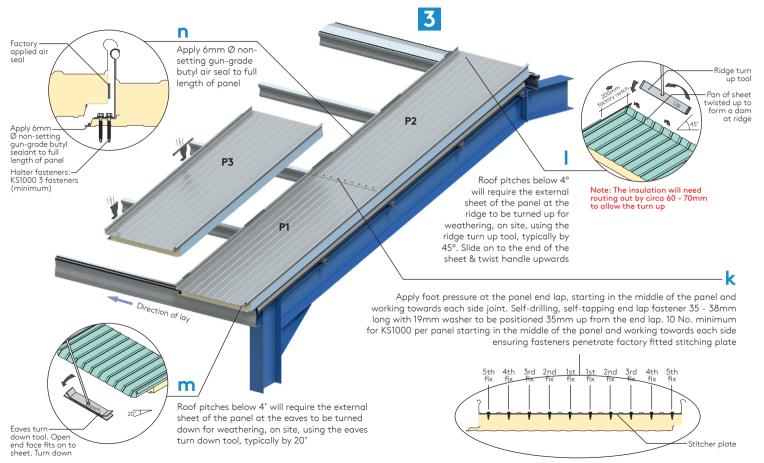
Note: If halter at ridge falls within 200mm of the factory notch at the back of panel, through fixings are required in to purlin. Min. 3 No. per 1000mm wide. These through fixings will be hidden from view by the shroud



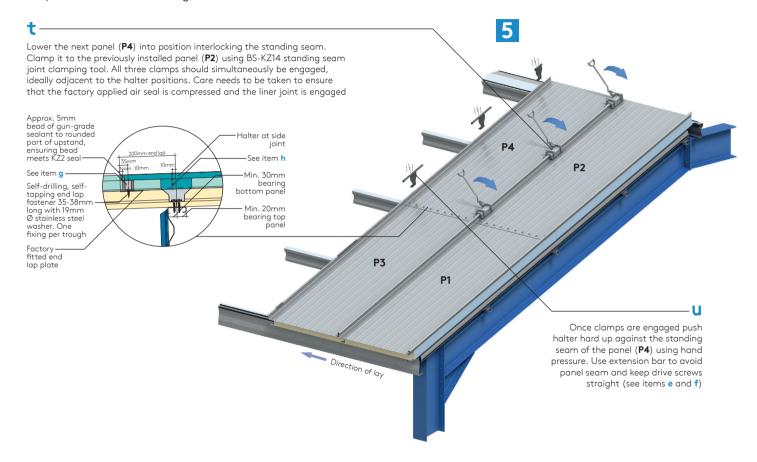
2b

KingZip IP KS1000 ZIP IP Standing Seam System

Multiple Panels Eaves to Ridge



Bed a keyhole filler in Apply the end lap seal (KZ2 50 x 3mm gun-grade sealant and co-laminate PVC/butyl and gun-grade position at ridge location sealant) (see item $\mathbf{g} \otimes \mathbf{h}$) to meet previously installed air seal P4 Self-drilling, selftapping end lap -Halter at fastener 35-38mm side ioint long with 19mm Ø stainless steel -Factory washer. One fixing fitted end per trough end lap plate P2 Nom.# 10.00 See item q -See item h Approx, 5mm bead of gun-grade Min. 30mm sealant to rounded bearing part of upstand, bottom panel a ensuring bead meets KZ2 seal Prior to installing panel (P4) carefully Min. 20mmhandseam cover roll for a 200mm length bearing top panel to facilitate fitting of upper panel P3 **P1** Clamp panel at standina -seam 0 Direction of lay Lower the next panel (P3) into position interlocking the standing seam. Clamp it to the previously installed panel Once clamps are engaged push (P1) using BS-KZ14 standing seam joint halter hard up against the standing clamping tool. All three clamps should seam of the panel (P3) using hand simultaneously be engaged, ideally pressure. Use extension bar to avoid adjacent to the halter positions. Care panel seam and keep drive screws needs to be taken to ensure that the straight (see items e and f) factory applied air seal is compressed and the liner joint is engaged



W-

Insert EPDM ridge filler (KZ3 - 1000) into ridge shroud and bed in a 5mm (generous) bead of aun-arade sealant around its perimeter ensuring no visible gaps between panel and profile filler. Position ridge shroud and filler a minimum of 200mm from the top of the panel to rear of shroud. Shroud stitched in pre-punched holes with stitching screws max 100mm centres. Apply 19mm x 3mm butyl rubber tape sealant to top of shrouds. Ridge flashing stitched to shroud at max 400mm centres. The top of the standing seam and junction of the ridge flashing requires pointing with a gun grade butyl sealant once the ridge flashing is fully fixed

Power seamer should be located on and within the previously hand clamped/crimped section of the standing seam. Commence the seaming/ zipping operation (walk on the overlap panel alonaside power seamer durina zippina operation), to give a tight joint along the full length of the panel from ridge to eaves. Panels should be seamed/ zipped together as the work proceeds



Note: KingZip IP tool hire is available from SkyZip: Tel: +44 (0) 7901 854485 www.skyzip.org

Completed eaves detail Gutter support arms at 500mm centres max

Typical

verge

detail

Typical ridge turned up on site Min 200m Shroud overstitched to shroud profiled filler. at max. 400mm Shroud stitched to centres and bed on each panel with 19mmx3mm butvl stitching screws rubber sealant at maximum EPDM ridae filler 100mm centres Key hole filler-Air seal-8mm -Ø bead of gun-Ø bead of gunarade sealant Liner flashingwith 150mm end laps fire rated canister and sealed

Note: Please ensure you read the specific instruction manual for your hired KingZip seamer from SkyZip as they all differ. Standard 6 wheel seamer (rollers equal either side). Seaming/zipping operations require 2 No. passes. Where an end lap condition occurs the first pass must be from the ridge down to the end lap then to the eaves. The second pass is from the eaves to the ridge. When using 6 & 8 wheel

6

Ridae support

-Ridge panels

prior to fitting

-Ridae flashina

if required

-Halter at

side joint

-Air seal-8mm

grade sealant

-Gun applied

insulation

seamer (1/2 roller left side, full forming rollers opposite side). These units are handed, therefore the seaming direction is relevant to the panel direction of lay. Panel laid L - R ridge to eaves both passes. Panel laid R - L eaves to ridge both passes (Stop & restart at over lap)

Installation guides are available for most of Kingspan insulated roof and wall panels.

Please call Kingspan Technical Services on: UK Tel: +44 (0)1352 716101 or Freephone: 0800 587 0090 IRL Tel: +353 (0) 42 9698529 www.kingspanpanels.co.uk / www.kingspanpanels.ie

