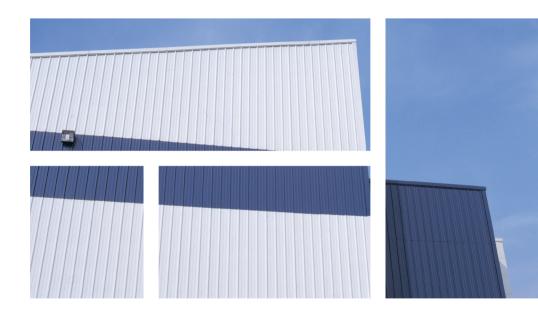
KS1000RW Trapezoidal Wall Panel Installation Guide

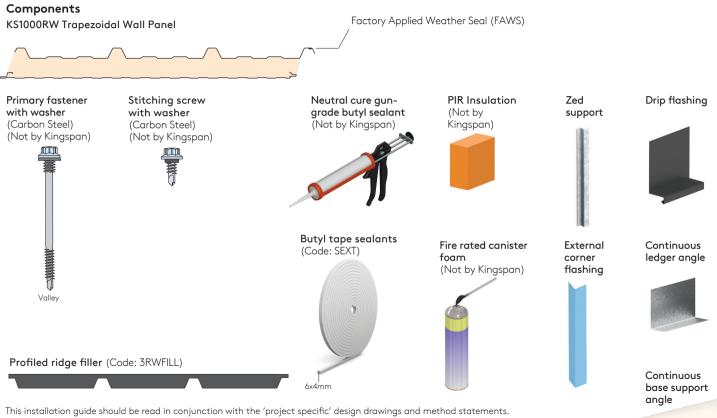
Vertically Laid





KS1000RW Trapezoidal Wall Panel

Vertically Laid



Although this installation guide is deemed to be correct at the time of publication, Kingspan reserve the right to amend the information at any time in the future. Installation Guides are available for the full range of Kingspan Insulated Roof, Wall and Facade Systems.

Notes:

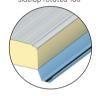
- Ensure steelwork is suitably lined, levelled and within tolerance.
- Panels must be installed in a tiered sequence only.
- The end lap support position is critical, check location and straightness.
- Cover plates required where gap in s support steel is greater than 20mm.
- All fasteners to be carbon steel to maintain panel warranty
- Cut side of panel to suit required width at ground level before installation of corner panels P7 and P8 to suit.
- Gun-grade sealant type neutral cure gun-grade sealant.
- This is a generic KS1000RW wall installation guide and details may differ from project to project. Project specific construction details must be used.
- The end lap support position is critical, check location and straightness.
- Number of fasteners must be calculated based on project spans and wind loads.
- See specific details for high humidity applications.
- Clean swarf off panels immediately when created.
- Ensure panel joints are pulled tight to adjacent panels to close any gaps as works progress.
- This installation guide provides generic guidance on installation methods, however, should be read in conjunction with project specific specifications and construction details.
- Install fasteners with recommended screw gun speed selection for type of steel, use correct socket and drive bit, including depth - locating nose piece, unless fastener has feature to prevent overdriving, in line with fastener manufacturers.



Please contact Kingspan Technical Services Department for guidance:

- Internal air seals
- High humidity & hygiene internal environments
- Project specific advise
- Cyclonic regions and areas of high localised suction

SIDELAP A Factory Applied Weather Seal (FAWS) is applied to the panels, on the under side of the sidelap, before they leave the factory. Sidelap rotated 180'



Continuous Continous base support angle sealant Continuous ledger angle Continuous Continuous Continuous base drip flashing Continuous runs of óx4mm butyl or

Continuous runs of 6x4mm butyl or neutral cure gun grade butyl sealant

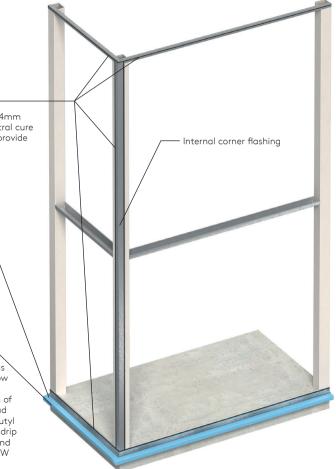
Note: The ledger angle prevents the panel from sitting on the drip flashing

Apply continuous runs of 6x4mm butyl sealant or runs of neutral cure gun grade butyl sealant to provide internal perimeter air seals

Line, level and fix drip flashing to structure. Joints in the drip flashing to incorporate butt straps sealed with two runs of neutral cure gun-grade butyl sealant

3

Fit ledger angle through drip flashing, into continuous base support angle, using low profile fasteners. An air seal consisting of continuous run of 6x4mm butyl sealant or bead of neutral cure gun-grade butyl sealant is required between drip flashing and ledger angle, and between ledger angle and RW panel



2

P2

P1

Direction of lay

Apply two continuous runs of 6x4mm butyl sealant across full width of panel at end lap position

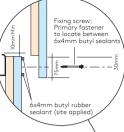
Install first panel (**P1**) with min. 3 No. primary fasteners (minimum), into panel valley at each steel support location ensuring panel is vertically plum.

Note: Some installations might require additional fixings depending on wind loadings/specification. Check project specific details

> - 3 No. primary fasteners at each panel end and intermediate steel support locations

Install second panel (**P2**) with min. 3 No. primary fasteners (minimum), into panel valley, at each steel support location, ensuring the primary fasteners fix through lower panel (P1) and inbetween the two runs of 6x4mm butyl sealant 6 Apply 6mm dia neutral cure gun-grade butyl sealant to side of panel. Engage with previously installed perimeter air sealant on steel work to meet FAWS on

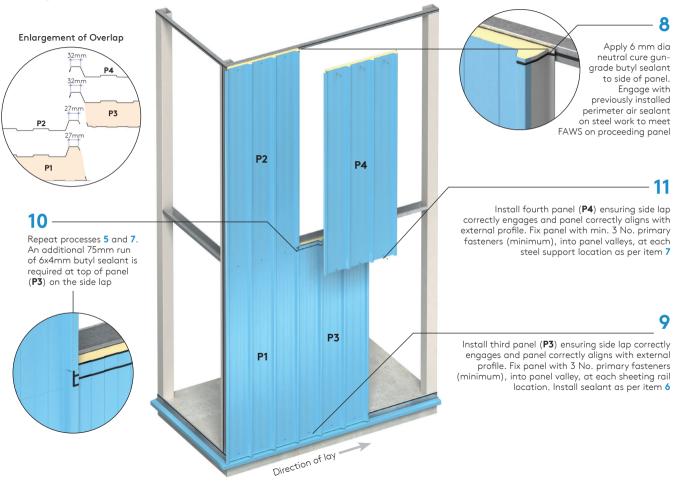


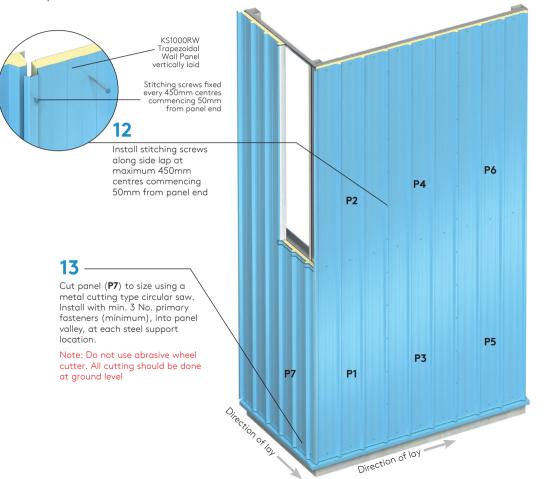


proceeding panel

KS1000RW Trapezoidal Wall Panel

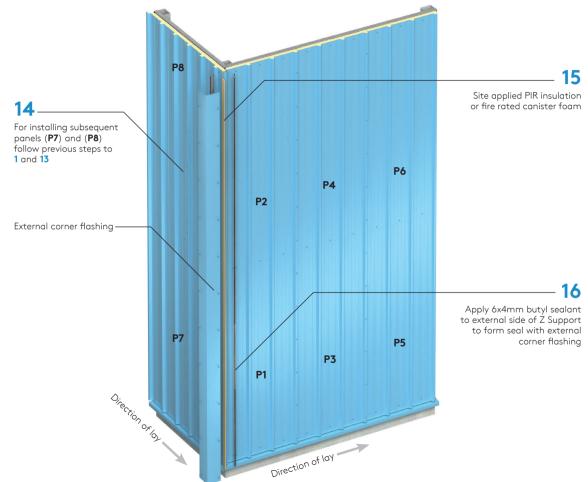
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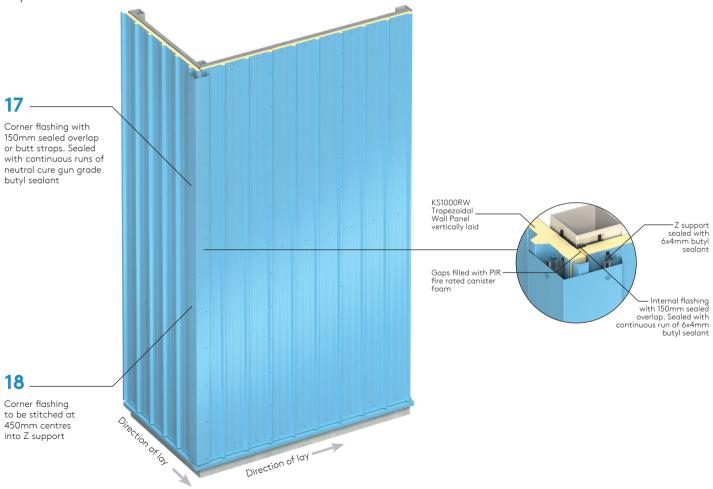




KS1000RW Trapezoidal Wall Panel

Vertically Laid





Panel Handling

Appropriate personnel protective equipment should always be worn to avoid cuts and abrasions to installers and panels.

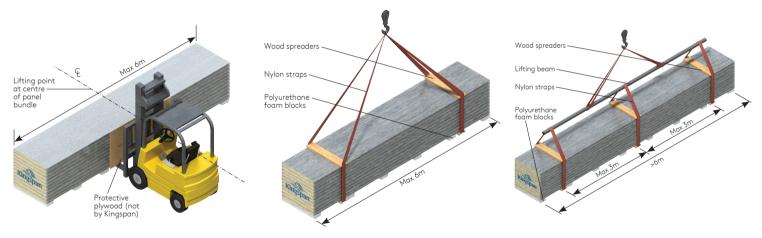
Individual panels should always be lifted from a pack and not dragged over others.

The weight of individual panels for lifting can be determined from the information on the packing slip.

For larger panels the contractor would normally arrange to use appropriate material installation equipment to help lift the panels into position.

Protecting Film

When panels are supplied with a plastic protective film this should be removed during site installation.

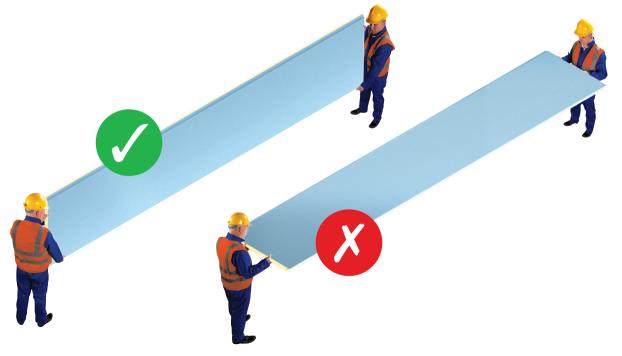


The recommended loading / unloading method for bundles less than or equal to 6m is to use a single forklift with widely spaced forks placed under the centre of the bundle as shown. The recommended lifting method for bundles no more than or equal to 6m can be handled with a crane by using nylon straps and wood spreaders as shown. The recommended lifting method for bundles more than 6m, by crane, is by using three points of support. To prevent damage from nylon straps, use wood spreaders at top and bottom at lifting locations as shown.

Panel Handling Correct and Incorrect Panel Handling

Caution

Individual panels should never be moved in a flat position as excessive flexing may result. Excessive flexing ruptures a panel's core, permanently distorts the facings and may lead to thermal blistering. When moving a panel, it must be turned on its edge first, then supported at each end with as many men as necessary to safely handle.



Installation guides are available for most of Kingspan insulated roof and wall panels. For the most up to date version of this Installation guide please click here or scan the QR code below. Alternatively, please call Kingspan on:

AUS: +61 2 8889 3000 www.kingspanpanels.com.au



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

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