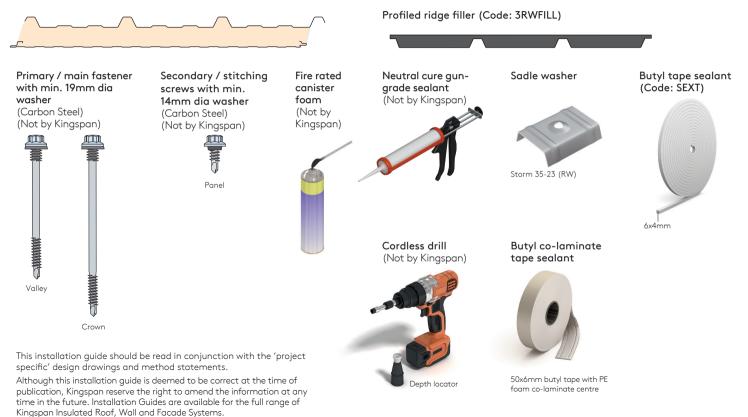
KS1000RW Trapezoidal Roof Panel Installation Guide



Multiple Panels Eaves to Ridge 75mm End Lap

#### Components

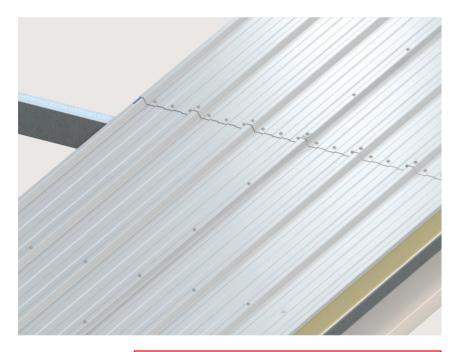
KS1000RW Trapezoidal Roof Panel



Multiple Panels Eaves to Ridge 75mm End Lap

#### Notes:

- Ensure steelwork is suitable for panels and is within tolerance.
- Ensure lower panel is bearing on to purlin by a minimum of 50mm.
- A factory Applied Weather Seal (FAWS) is applied to all panel side laps.
- Apply 6mm x 4mm butyl air seal to ridge, verge & eaves positions.
- Gun-grade sealant referred to is neutral cure gun-grade sealant.
- End lap air seal 50 x 6mm butyl tape with PE foam co-laminate centre.
- All sealants to suit project specification requirements.
- 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.
- KS1000 RW Roof panel can be turned up at the ridge.
- Penetrations larger than 300mm x 300mm must be framed out with structural steel.
- 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.

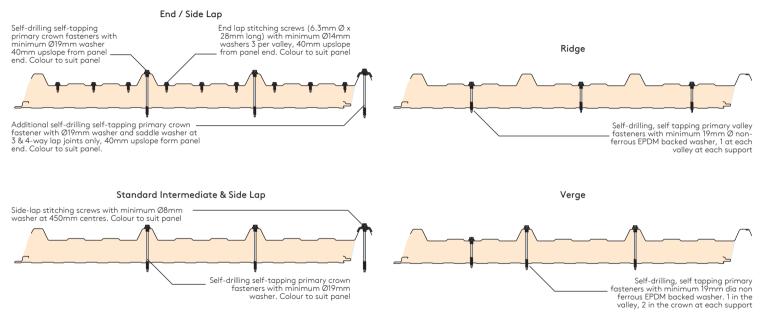


Please contact Kingspan Technical Services Department for guidance:

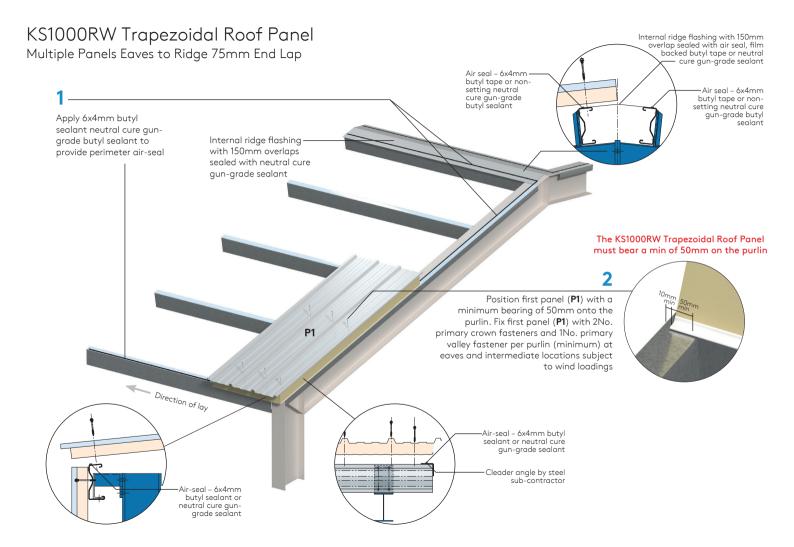
- Internal air seals
- High humidity & hygiene internal environments
- Project specific advise
- Cyclonic regions and areas of high localised suction

Multiple Panels Eaves to Ridge 75mm End Lap

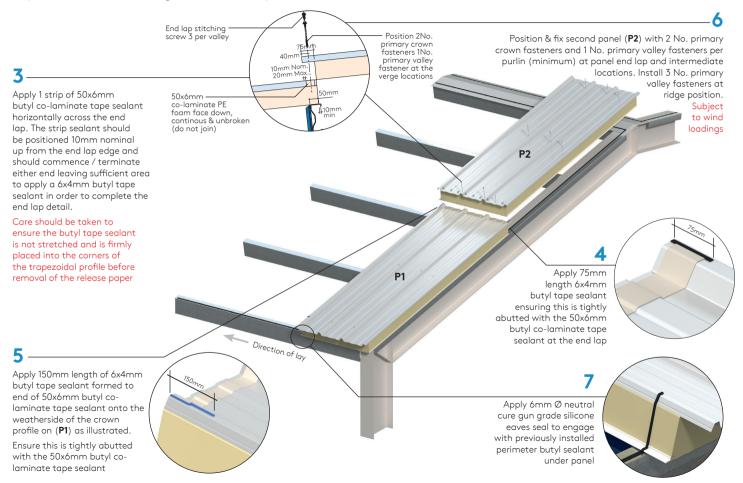
#### **Fastener Layouts**

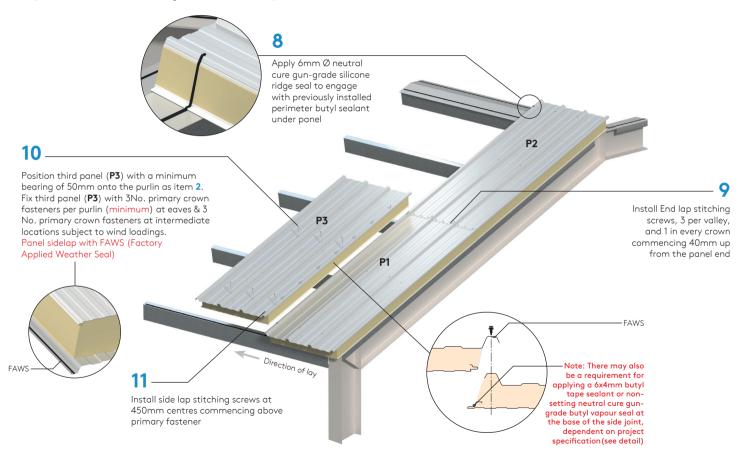


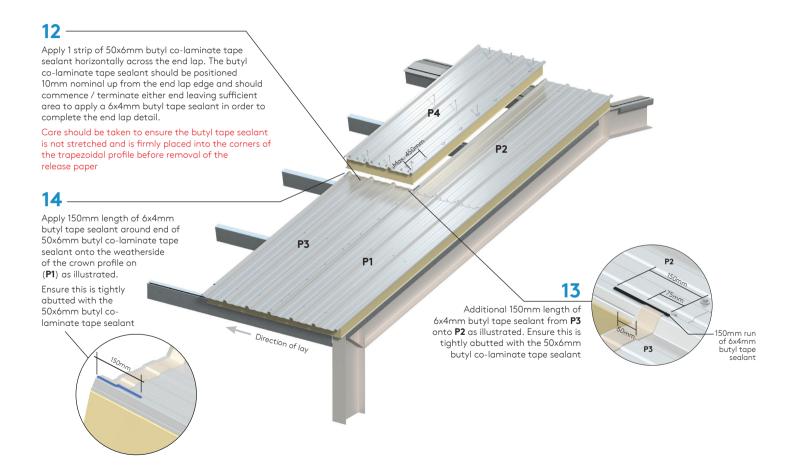
Note: Minimum number of fasteners as illustrated. Number of fasteners must be calculated on the project specific spans and wind loads

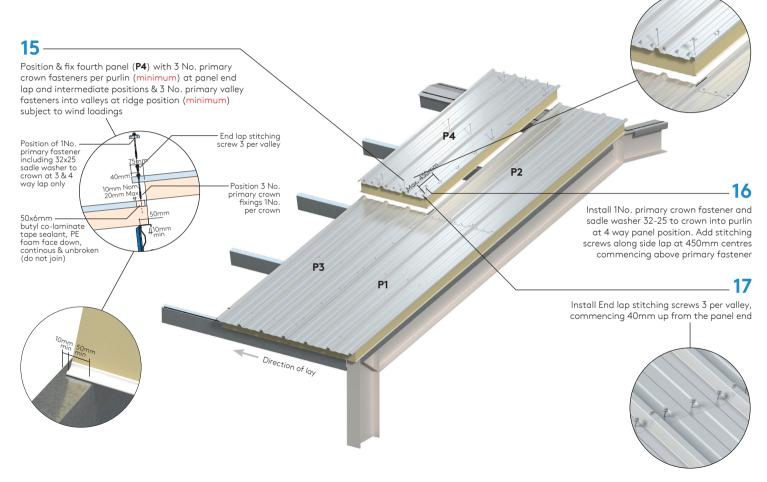


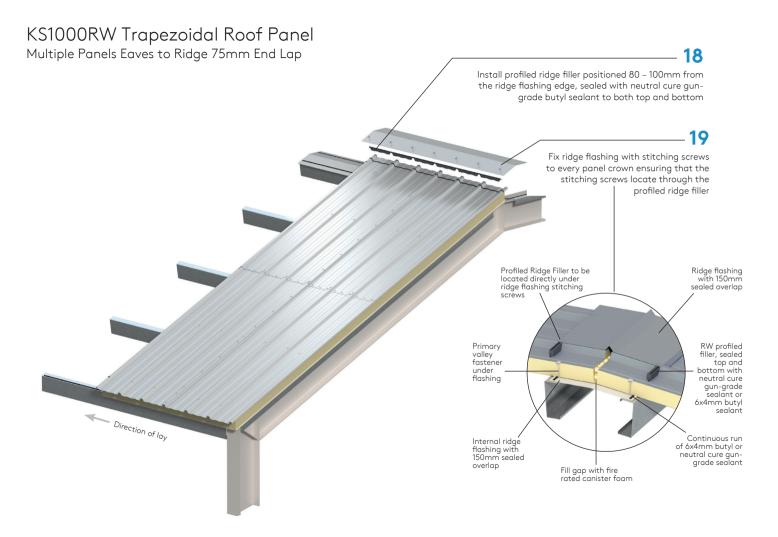
## Trapezoidal Roof KS1000 RW

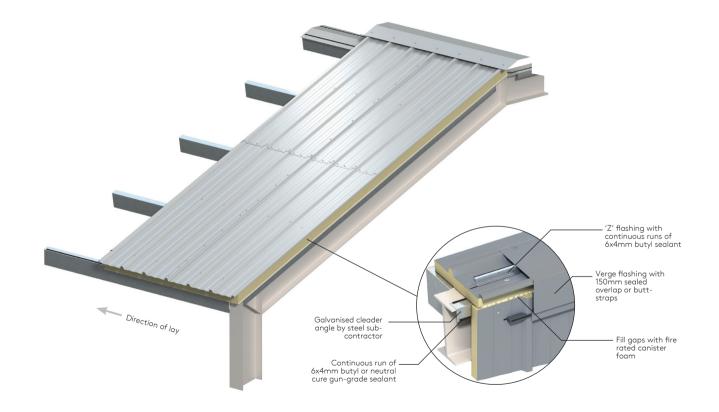












### Panel Handling

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

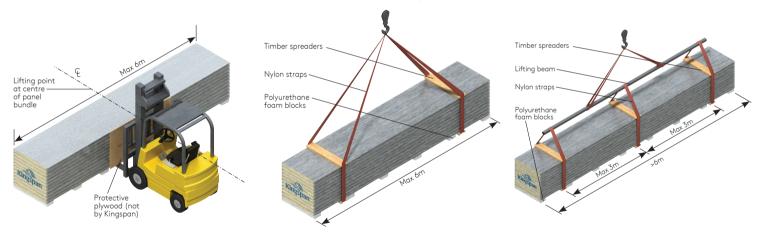
Individual panels should always be lifted from a pack and not dragged over others.

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.

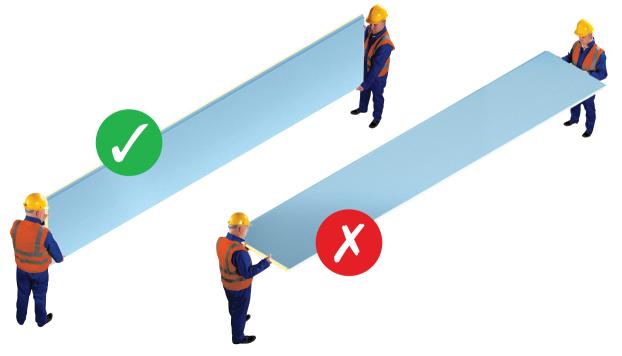


The recommended loading / unloading method for bundles less than or equal to 6m is to use a single forklift with widely spaced forks placed under the centre of the bundle as shown. The recommended lifting method for bundles no more than or equal to 6m can be handled with a crane by using nylon straps and timber 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 timber 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:

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