

Insulated Roof & Wall Panels  
Australia & New Zealand

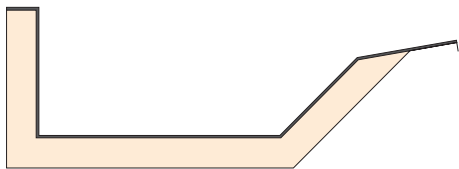
# Kingspan Membrane Lined Insulated Gutter Installation Guide



# Kingspan Membrane Lined Insulated Gutter

## Components

**Boundary Wall Gutter**  
(Code: MG1000/1200/1500)



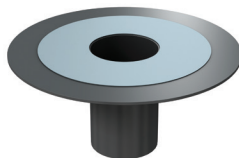
**Valley Gutter**  
(Code: MG1000/1200/1500)



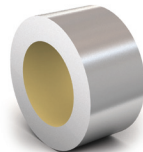
**Membrane Strip 1.5mm x 250mm wide**  
(Code: TDFLASHMEM250)



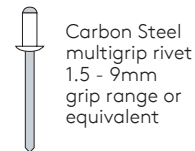
**Gutter Outlet**  
(Code: MGOUT100/150)



**Silver Foil Tape**  
(Code: FOILTAPE100)



**Rivet**  
(Not by Kingspan)



Carbon Steel  
multigrip rivet  
1.5 - 9mm  
grip range or  
equivalent

**Seam Probe**  
(Not by Kingspan)



**Silicone Roller**  
(Not by Kingspan)



**Heat Gun**  
(Not by Kingspan)



**Penny Roller**  
(Not by Kingspan)



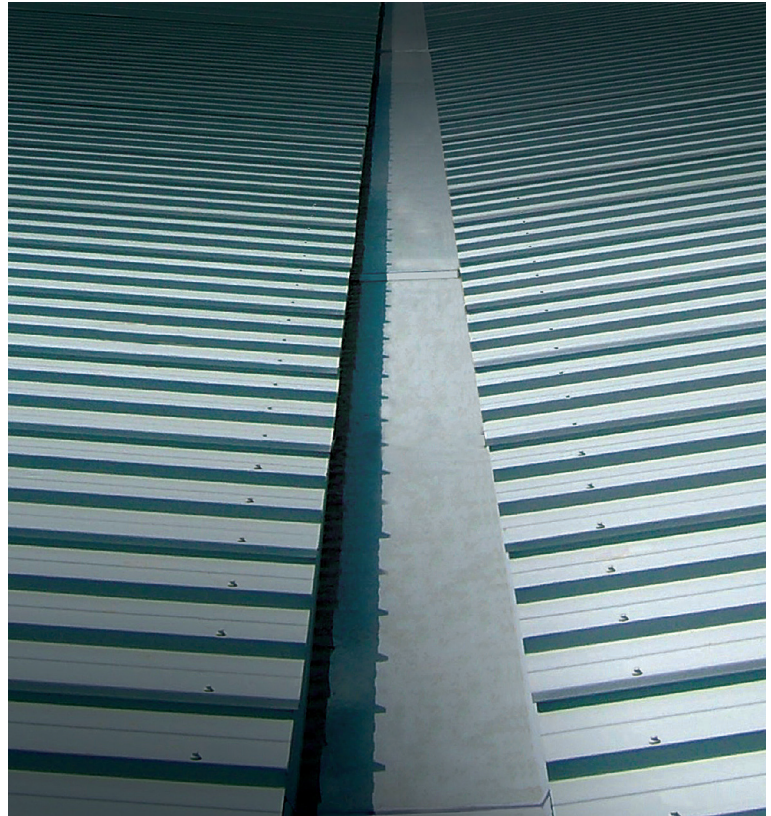
This installation guide should be read in conjunction with the 'project specific' design drawings and method statements.

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.

# Kingspan Membrane Lined Insulated Gutter

## Note:

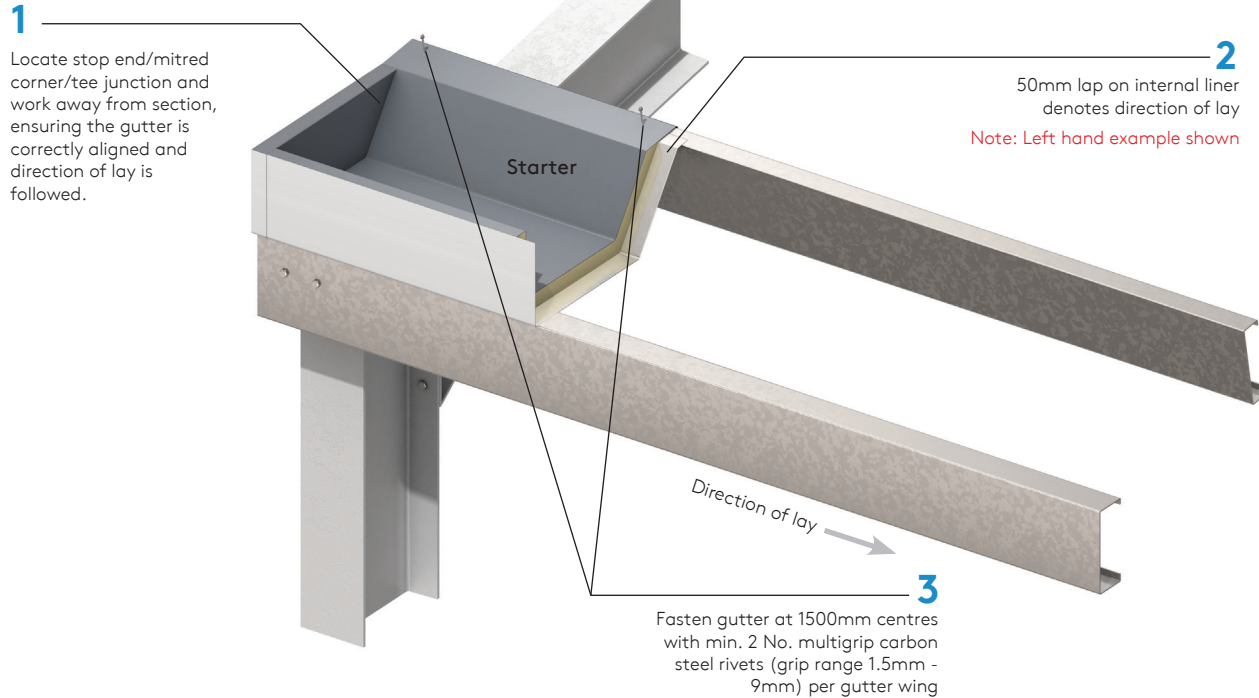
- Only operatives who have taken part in the Kingspan product training should carry out heat welding operations
- Ensure steel work is suitable for Gutter and is within tolerance.
- To prevent foot traffic contamination, membrane gutter joints to be fully welded across full girth of gutter as works progress, prior to panel installation.
- Membrane cover strip to be installed gloss face down.
- Gutter Joints should be kept clean and dry prior to welding.
- Should dirt and moisture contaminate a joint prior to welding, it should be cleaned with a mild detergent solution and thoroughly dried with a linen cloth.
- Should a joint be contaminated with oil or grease prior to welding it should be cleaned with either alcohol or acetone and thoroughly dried.
- Any drilling swarf and redundant fixings must be removed from gutter surface as works progress to prevent damage to the membrane
- Use panel clamps to ensure full engagement of panel joint when required.
- Protective film to be removed from external weather face of panel & internal liner where applicable prior to installation.
- Clean swarf off panels immediately when created.



# Kingspan Membrane Lined Insulated Gutter

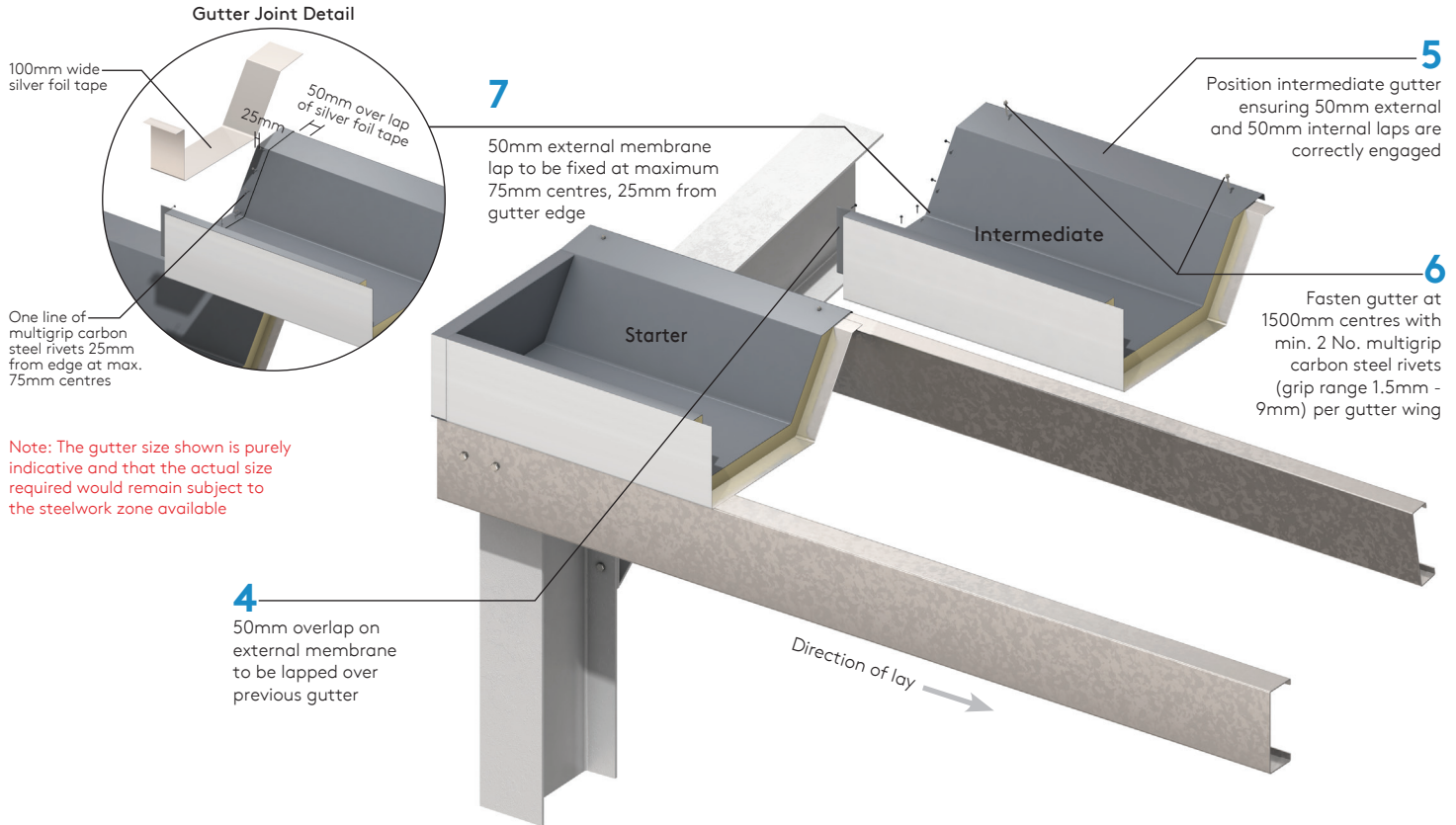
Note: Ensure steel work is suitably lined, levelled and within tolerance.  
Each gutter length must be fully installed prior to access

Note: Any drilling swarf and redundant fixings must be removed from gutter surface as works progress to prevent damage to the membrane



# Kingspan Membrane Lined Insulated Gutter

Note: Gutter joints should be kept clean and dry prior to welding. Should dirt and moisture contaminate a joint prior to welding, it should be cleaned with a mild detergent solution and thoroughly dried with a linen cloth. Should a joint be contaminated with oil or grease prior to welding it should be cleaned with either alcohol or acetone (ensure compliance with any safety recommendations) and thoroughly dried



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**Note:** To prevent foot traffic contamination, membrane gutter joints to be fully welded across full girth of gutter as works progress, prior to panel installation

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Membrane cover strip roll is provided 250mm x 1.5mm. Material to be cut to length using scissors

**Note:** Membrane cover strip to be installed gloss face down

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Apply 100mm wide silver foil tape centrally over joint

Starter

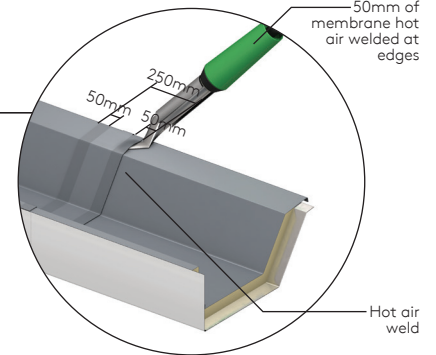
Intermediate

Direction of lay →

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Lay membrane cover strip centrally over gutter joint, and hot air tack weld to hold in position.

Pre weld the cover strip, approx. 50mm from the edge and then fully weld the strip 50mm along both edges whilst applying roller (silicone) pressure to ensure good weld - indicated by visible fusion line

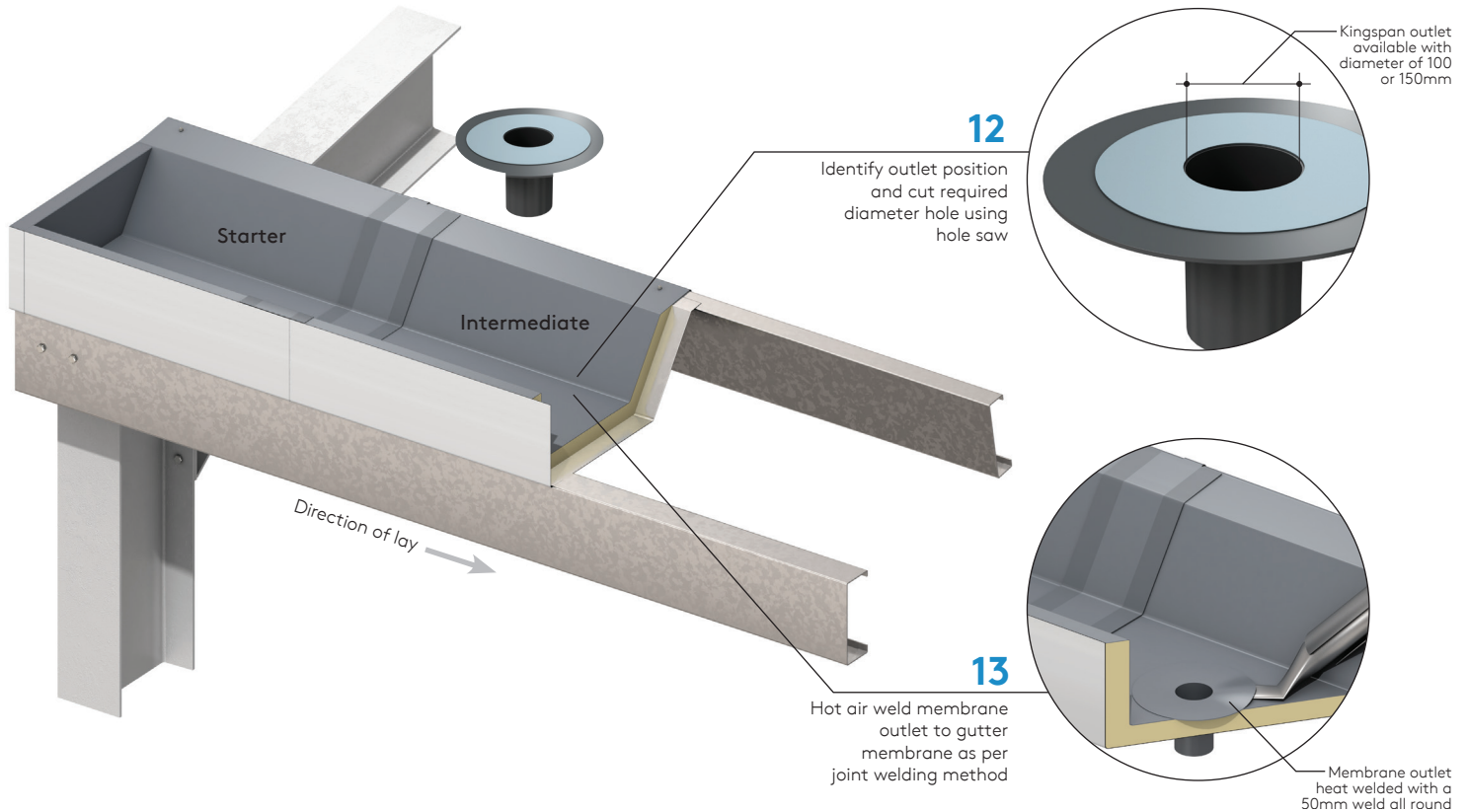


**Note:** Hot air welding should be carried out by an experienced membrane welding contractor using electric heat gun at approx. 380 - 420°C, subject to ambient temperature

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When cooled, test the finished weld with a seam probe and re-weld where necessary

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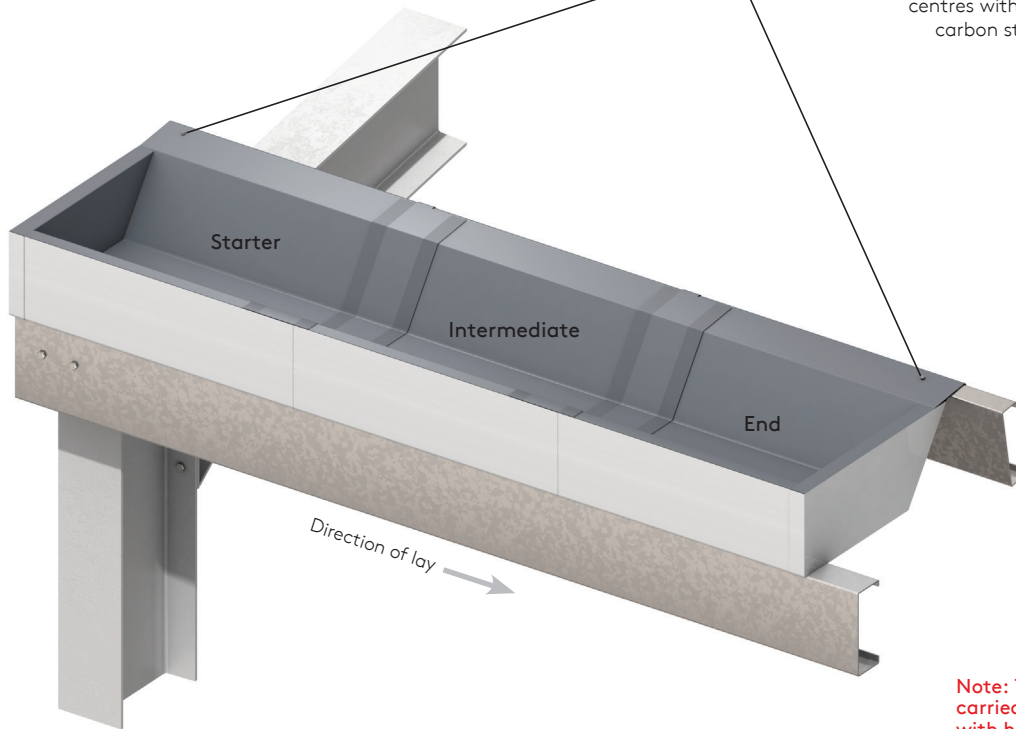


# Kingspan Membrane Lined Insulated Gutter

Repeat process as previous  
to complete gutter run

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Fasten gutter wings at max. 1500mm  
centres with min. 2 No. multigrip  
carbon steel rivets (grip range  
1.5mm - 9mm)



**Note: The gutter welding should only be carried out by those who are familiar with heat welding and have participated in Kingspan's Insulated Gutter training programme**



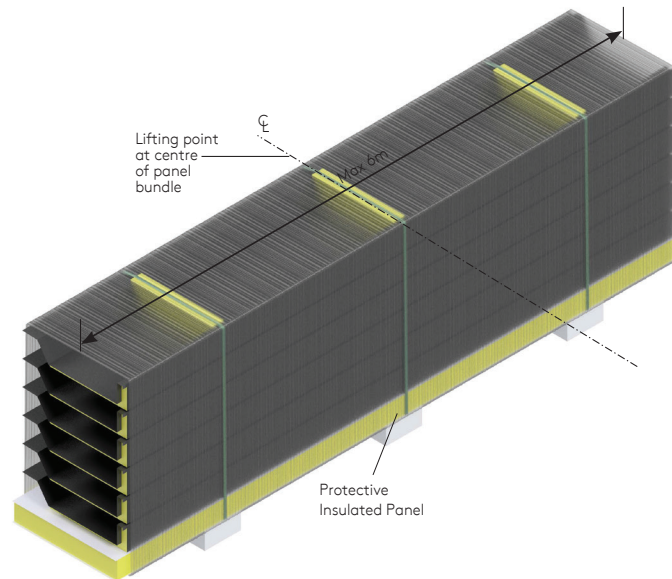
# Insulated Gutter Handling

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

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

The weight of individual Gutters 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.



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.



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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](http://www.kingspanpanels.com.au)



For the product offering in other markets please contact your local sales representative or visit [www.kingspanpanels.com](http://www.kingspanpanels.com)

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