

INSULATED WALL SYSTEMS

# Installation Guide

KS600/900/1000 AWP Wall Panel  
Horizontally Laid



Note: Panels can be installed in either a tiered or coarsed sequence.

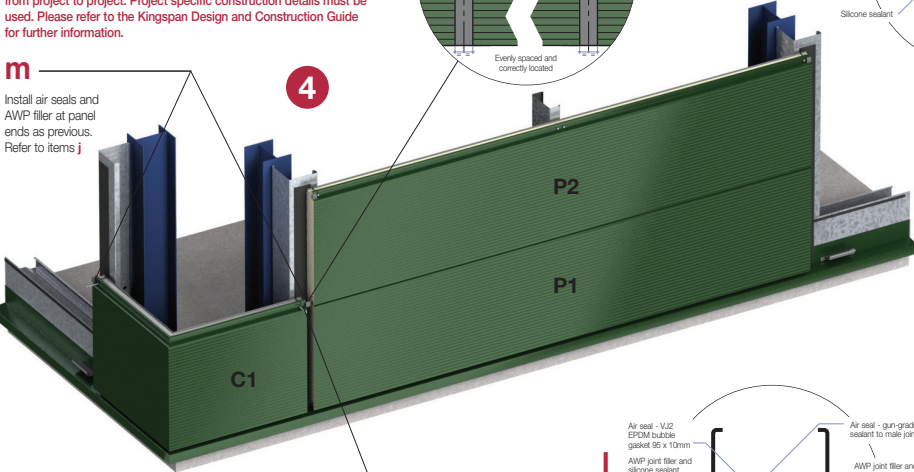
Visually check internal liner joint to ensure panels are joined fully. Check panel cover width module as works progress to ensure "creep" does not occur, particularly important when windows are incorporated into the elevation.

This is a generic AWP installation guide, however details may differ from project to project. Project specific construction details must be used. Please refer to the Kingspan Design and Construction Guide for further information.

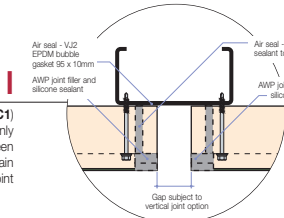
m

Install air seals and AWP filler at panel ends as previous. Refer to items j

4



Locate the preformed corner panel (C1) on panel bearers ensuring panel is evenly spaced and correctly positioned between the vertical joint centres and install main fasteners through the male joint



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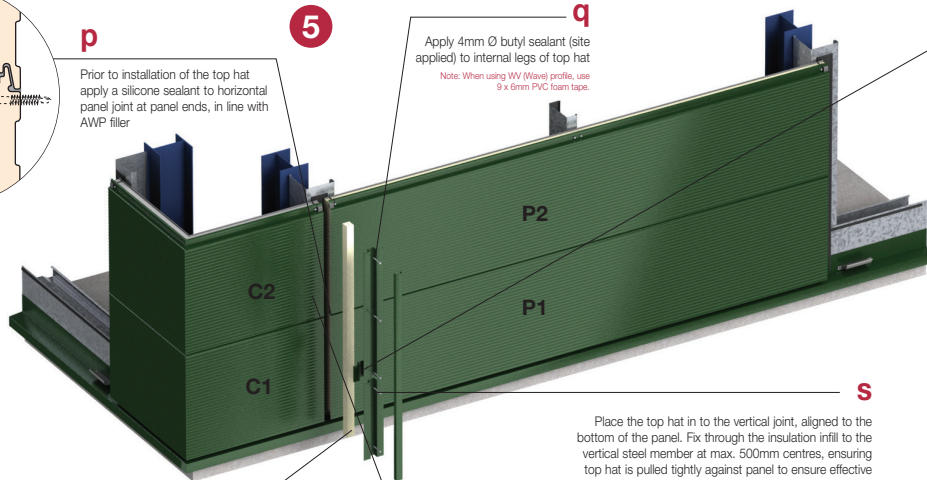
The gap between the panel ends is to be filled with PIR insulation board or gun applied fire rated canister insulation to a depth to suit the top hat section. If PIR board is used, ensure that continuity of insulation is achieved by filling any gaps with fire rated canister applied insulation

Note: There are several types of vertical joint options. This guide assumes that an Option A top hat detail is being used.

p

Prior to installation of the top hat apply a silicone sealant to horizontal panel joint at panel ends, in line with AWP filler

5



Place the top hat in to the vertical joint, aligned to the bottom of the panel. Fix through the insulation infill to the vertical steel member at max. 500mm centres, ensuring top hat is pulled tightly against panel to ensure effective weather seal. Care must be taken not to overdrive

n

Lower the preformed corner panel (C2) into position ensuring that the factory applied weather seal is compressed and that the AWP filler remains in position. Ensure that the panel is evenly spaced and correctly positioned between the vertical joint centres and install main fasteners into each vertical steel member as previous. Refer to h and i

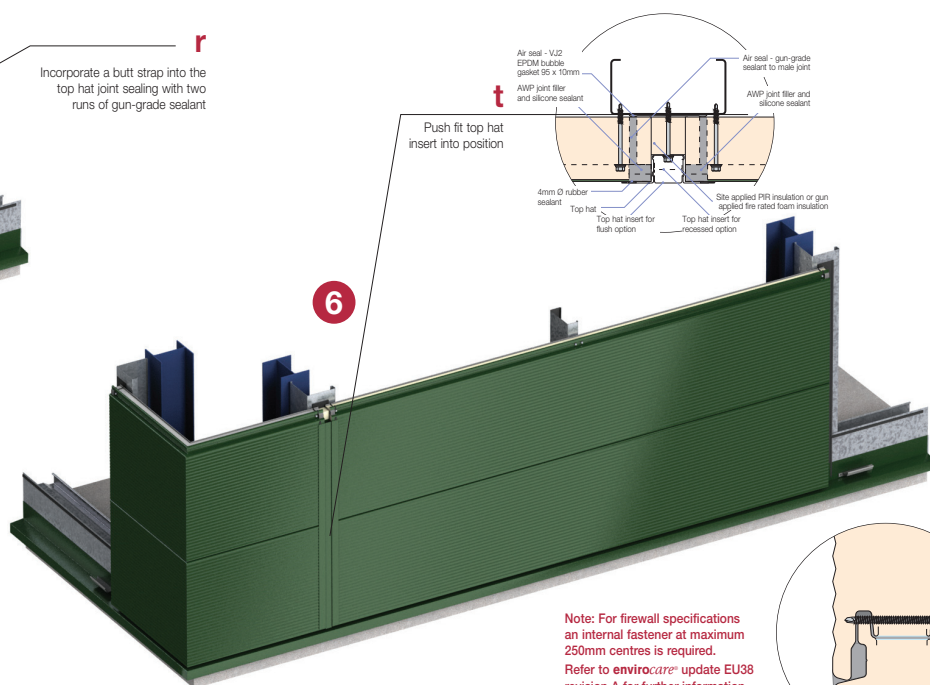
q

Apply 4mm Ø butyl sealant (site applied) to internal legs of top hat  
Note: When using WW (Wave) profile, use 9 x 6mm PVC foam tape.

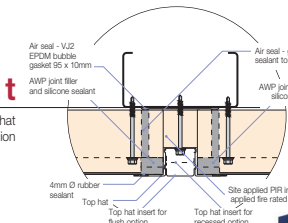
r

Incorporate a butt strap into the top hat joint sealing with two runs of gun-grade sealant

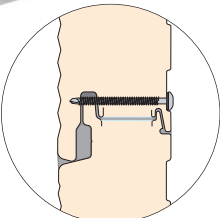
6



Push fit top hat insert into position



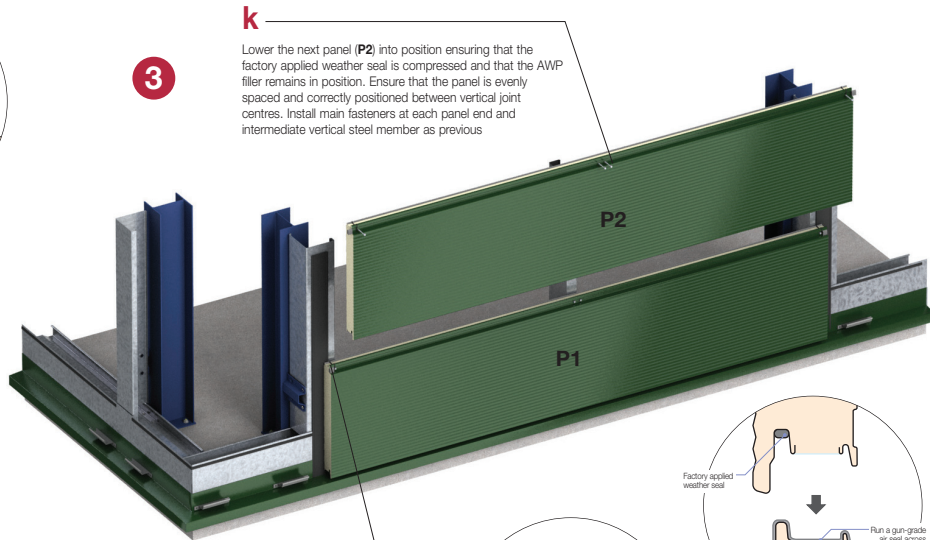
Note: For firewall specifications an internal fastener at maximum 250mm centres is required. Refer to envirocare® update EU38 revision A for further information. envirocare® updates can be found on our website at [www.kingspanpanels.com](http://www.kingspanpanels.com).



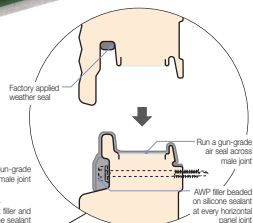
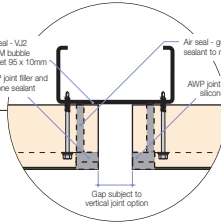
k

Lower the next panel (P2) into position ensuring that the factory applied weather seal is compressed and that the AWP filler remains in position. Ensure that the panel is evenly spaced and correctly positioned between vertical joint centres. Install main fasteners at each panel end and intermediate vertical steel member as previous

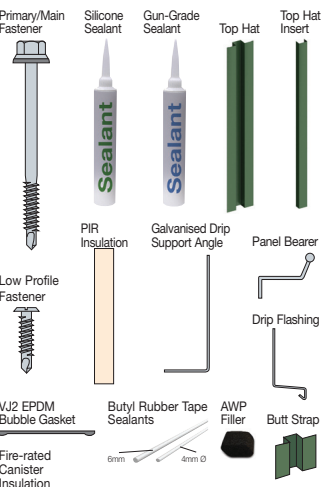
3



Bed an AWP filler in silicone sealant at panel ends, and run a gun-grade air seal across male joint



## Components KS1000 AWP Wall Panel



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 Façade Systems.

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## Installation Guide

KS600/900/1000 AWP Wall Panel  
Vertically Laid



Note: Ensure steelwork is suitably lined, levelled and within tolerance.  
Visually check internal liner joint to ensure panels are joined fully.

Check panel cover width module as works progress to ensure "creep" does not occur, particularly important when windows are incorporated into the elevation.

Joints need to be aligned correctly during installation to prevent the 'saw tooth' effect at the drip.

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

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