Insulated Roof & Wall Panels UK & Republic of Ireland



QuadCore® AWP Wall Panel Installation Guide

Horizontal Installation









The AWP Wall Panel range consists

The AWP Wall Pan

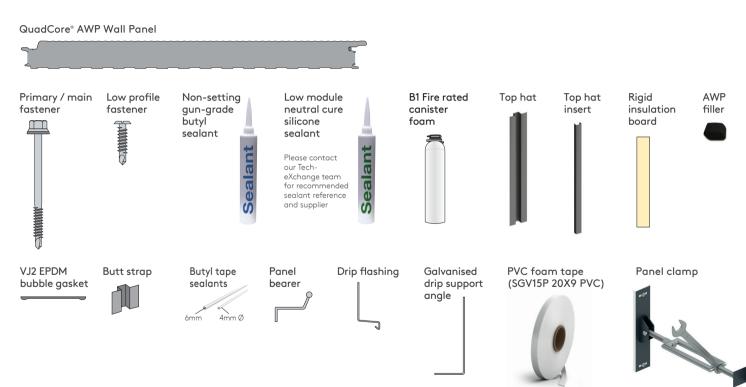
This installation guide is also applicable to QuadCore AWP LEC Wall Panel





Horizontal Installation

Components



Use panel clamps to ensure full engagement of panel joint when

required

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

Horizontal Installation

Note

This installation guide provides generic guidance on installation methods however should be read in conjunction with project specific specifications and construction details. For further information please contact our Tech-eXchange team.

Ensure steelwork is suitably lined, levelled and within tolerance.

Minimum bearing face for vertical joint steelwork is 130mm.

Minimum bearing face for intermediate support is 50mm. All subject to required number of primary panel fastener and wind loadings.

Use panel clamps to ensure full engagement of panel joint when required.

Fasteners to suit project specification requirements i.e. carbon / stainless steel.

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 & NFRC Guidance Note GNO1 recommendations

When integrated, ribbon windows are installed in conjunction with horizontally laid AWP Wall Panels. Should the vertical top hats terminate above and continue below the window units, please contact our Tech-eXchange team for shoe and deflector details.

Gun-grade sealant referred to are:
Non-setting gun-grade butyl sealant.
Low module neutral cure silicone sealant.

Tape sealant referred to is butyl tape sealant.

All sealants to suit project specification requirements. Low air leakage rates can be achieved, for further information contact our Tech-eXchange team.

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.

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 Tech-eXchange team for specification guidance.

We recommend the use of mechanical handling systems for the movement & lifting of panels into position.



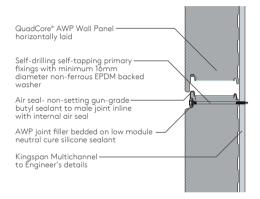
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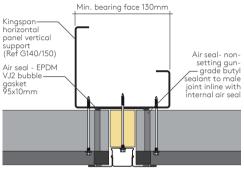
Horizontal Installation

Fastener Layout - Standard Application

Side Joint Fastener Location

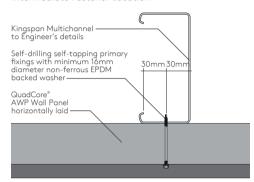


Vertical Joint Fastener Location



For external panel joint details see drawings AWPHz15022 - 15028

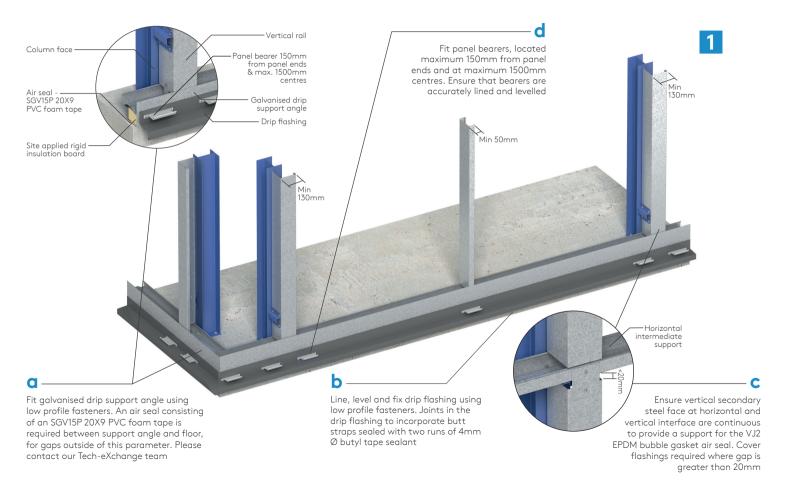
Intermediate Fastener Location

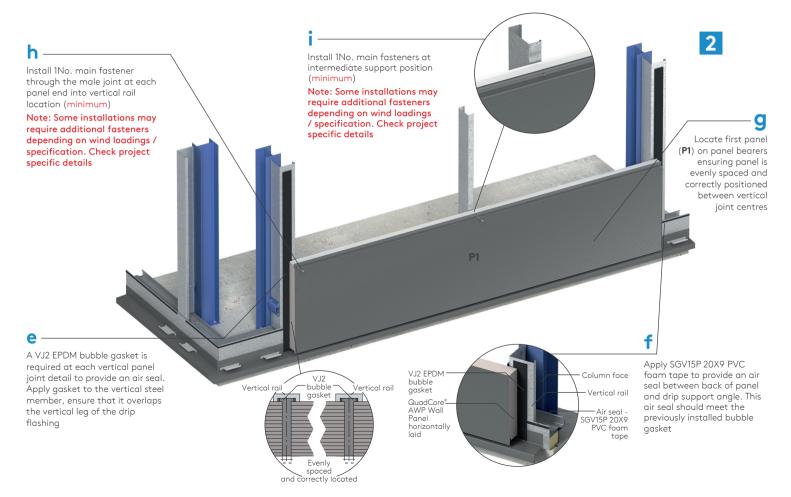


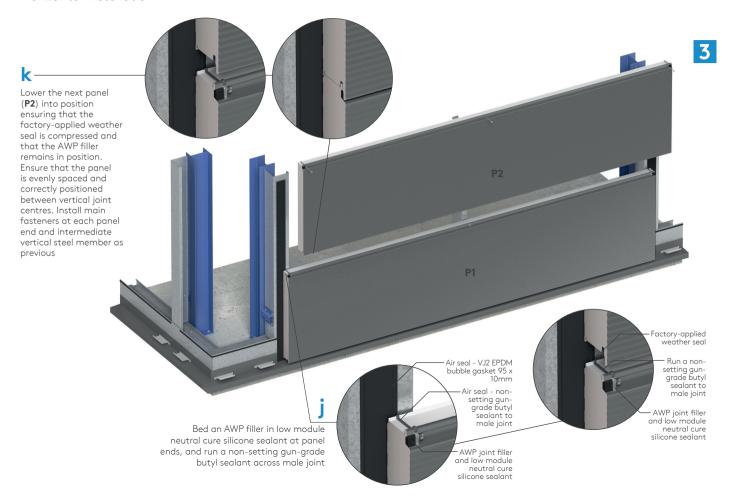
Typical 1 number panel fixing

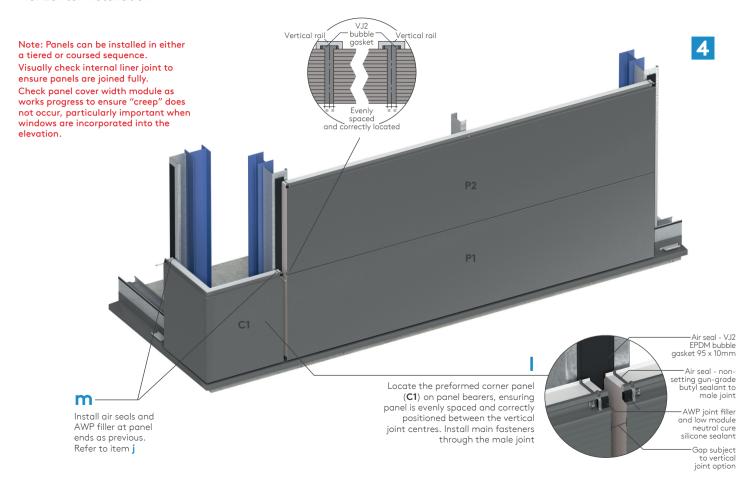
Note: Minimum number of fasteners as illustrated. Good practice would recommend that a wind load calculation be carried out for each project, to determine whether additional fasteners are required to meet local wind uplift requirements.

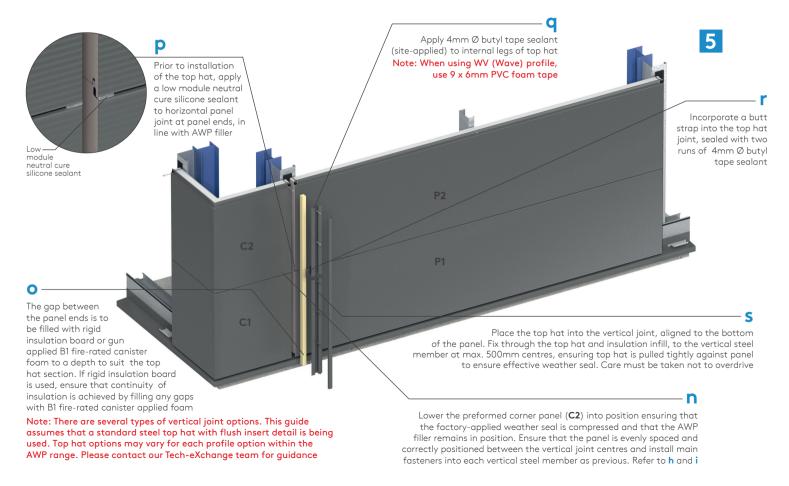
The fixing pattern shown is the minimum requirement only based on air and weather testing. For fixing patterns for LPCB certification or FM approval as well as project specific wind loading guidance, please contact Kingspan Insulated Panels Technical department (0800 587 0090).

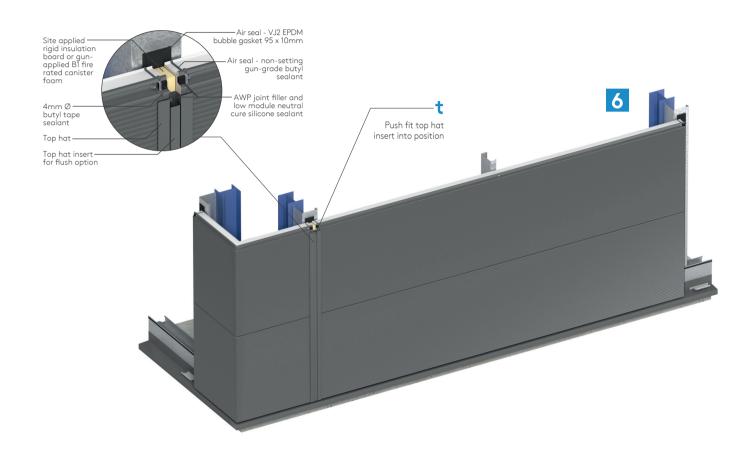














Installation guides are available for most of Kingspan insulated roof and wall panels.

Please call Kingspan Tech-eXchange team on the numbers below.

For the most up to date version of this Installation guide please scan the relevant QR codes below.

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

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