

Installation Guide

KS600/900/1000 Optimo™ 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 Optimo 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**

Note: Ensure steelwork is suitably lined, levelled and within tolerance.

Min. bearing face for vertical joint steelwork is subject to joint option, this guide shows joint option C with 120mm bearing face. Refer to Kingspan Design and Construction Guide.

Min. bearing face for intermediate support is 60mm

Where long runs of integrated ribbon windows are installed in conjunction with horizontal laid architectural wall panels, the vertical panel joints should terminate above and continue below the window units. Contact Kingspan **envirocare**[®] technical services for shoe and deflector details.

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

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

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 C top hat detail is being used.

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**

Note: For firewall specifications an internal fastener at maximum 250mm centres is required. Refer to **envirocare®** update EU3 revision A for further information. **envirocare®** updates can be found on our website at www.kingspanpanels.com.

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.

Please call Kingspan on:
UK: +44 (0) 1352 716100
Ire: +353 (0) 42 96 98500