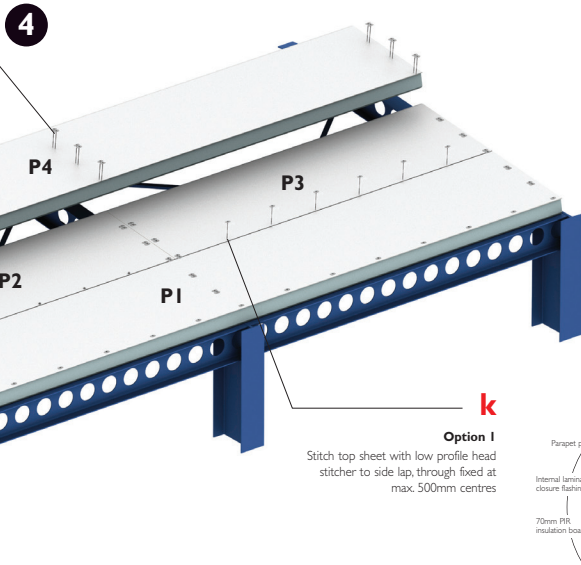




1

11

Roof
V

Diagram illustrating a fully sealed profile filler installation. The filler is shown seated within a channel, with a support member visible on the right. A dimension line indicates a minimum clearance of 65mm between the filler and the support member.

Diagram illustrating the components of a roof assembly:

- Main fasteners min. 6 No. per panel per support dependent upon wind uplift
- Galvanized steel spreader
- Waterproofing layer by others
- Envelope Ins.
- Roof
- Support member
- 45mm min bearing
- 45mm min bearing

- Available fixing options 1 or 2
- Ensure steel work is suitably lined, levelled and within tolerance
- The steel design used on this guide is purely indicative.
- Subject to project specific design loadings and proposed finishes Emvirodek can span up to 6m.
- The steel frame must be designed, made and assembled in accordance with the appropriate British Standards and in line with SCI recommendations.
- At Eaves/Monoridge/Longitudinal Roof Edges the Emvirodek panels must be through fixed to frame at 500mm max centres.
- Gun-grade sealant type - non-setting butyl sealant (air sealing).

C

Install additional main fasteners and spreader plates at 500mm centres at the eaves

2

P2

Lay second panel (**P2**) horizontally with 6 main fasteners and spreader plates to every rafter. The first of the 6 main fasteners is to be fixed through panel (**P1**) at panel side lap

d

h

10mm diameter bead
of Geocel Fire Cement
(see detail **a**)

f

Panel should be butt
jointed tightly together.
Ensure any gaps are filled
with canister insulation

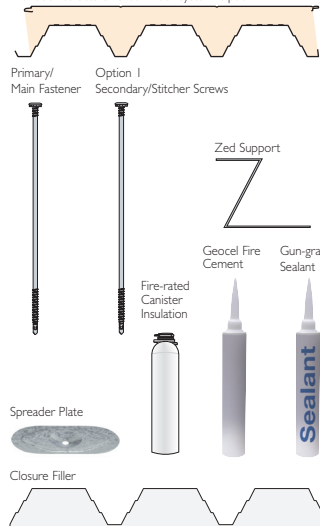
3

Fix third panel (**P3**) horizontally with 6 main fasteners and spreader plates to every rafter

Opt

Option 1
Stitch top sheet with low profile
head stitcher to side lap, through
fixed at max. 500mm centres

Envirotek Structural Green Roof System Option 1



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 Benchmark reserve the right to amend the information at any time in the future. Installation Guides are available for the full range of Roof, Wall & Façade Systems.

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Penetrations / Services Notes:

- For advice on weight of services and attachment to Envirodek, contact the Benchmark Technical Services Department.
- Penetrations through Envirodek should be avoided where possible. If unavoidable contact the Benchmark Technical Services Department. Please note additional structural steelwork may be required.
- Where small unavoidable penetrations occur such as rainwater pipe penetrations, suitably position so that they do not compromise the profile of the panel as illustrated.

Note: Indicative design subject to project specific design loading

