

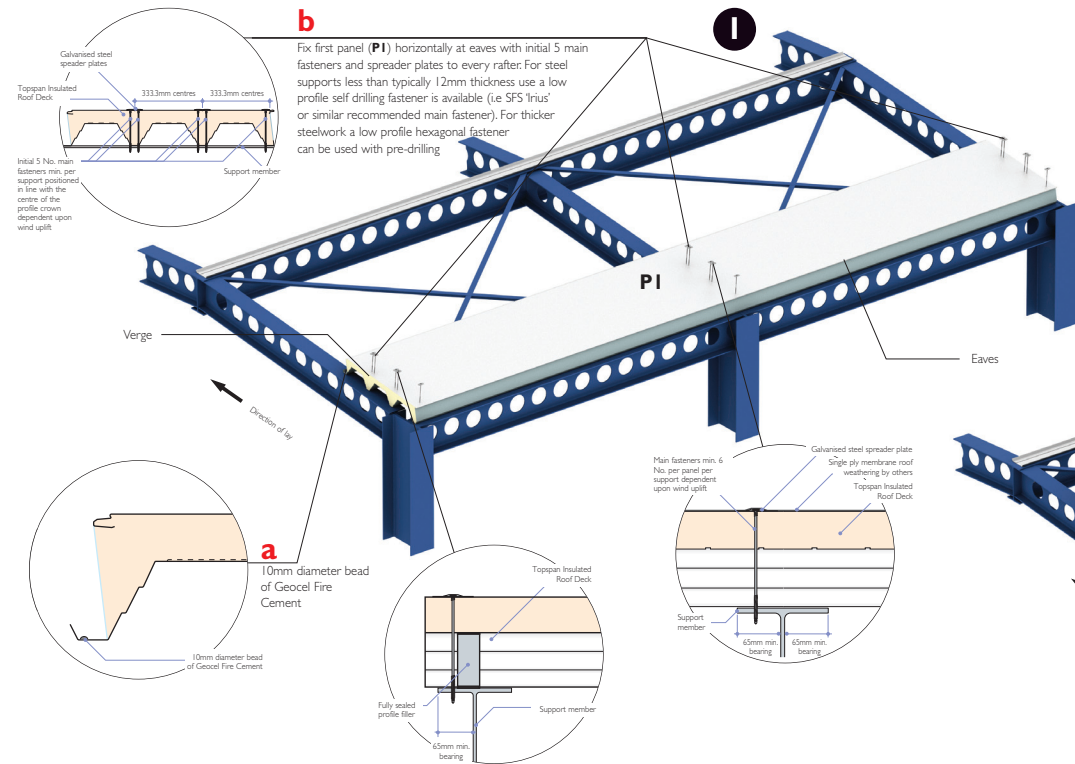
BENCHMARK

TOPSPAN

Insulated Roof Deck

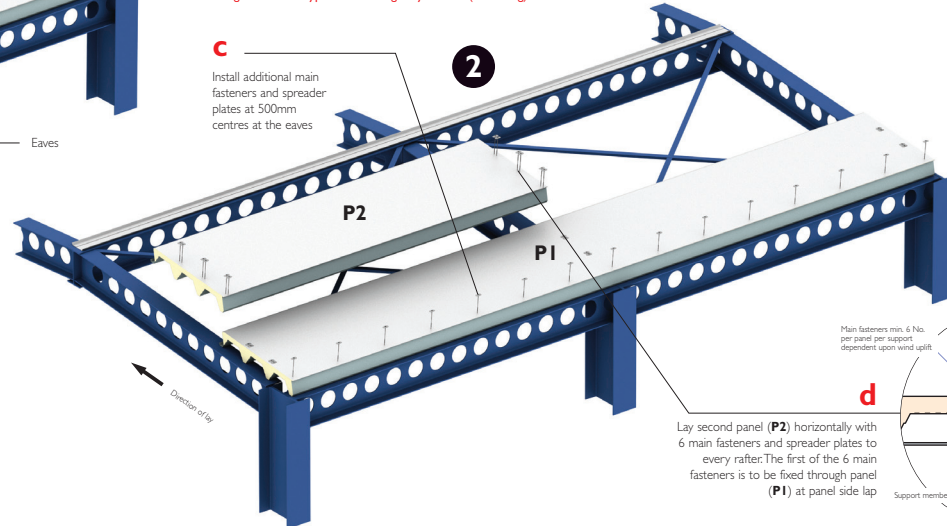
Installation Guide

Fixing Option 1

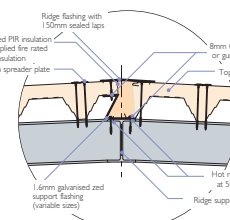
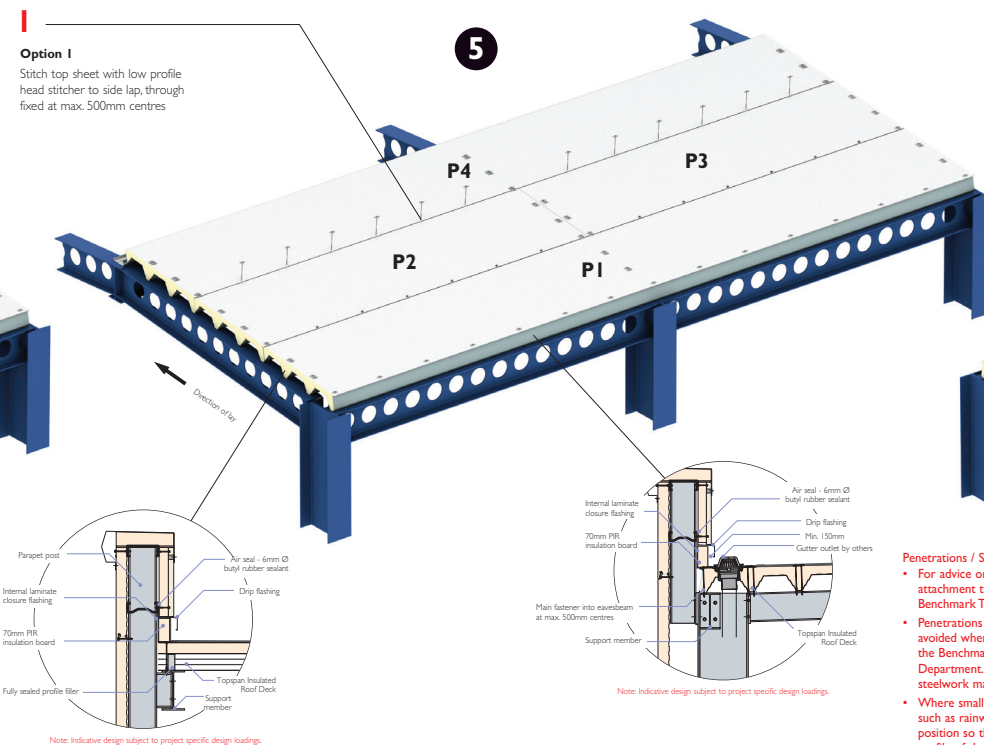
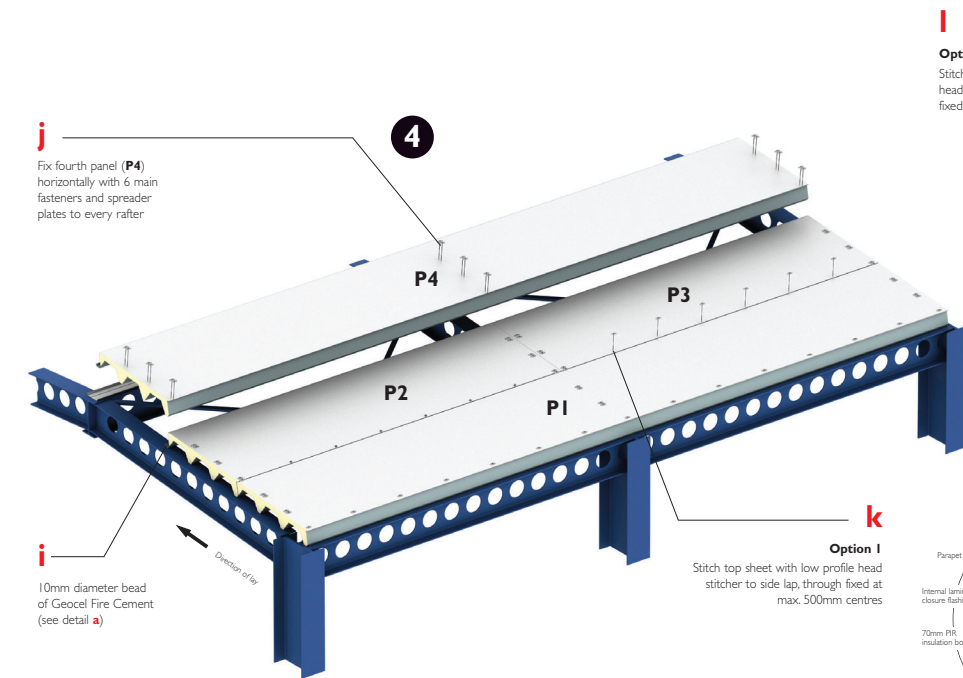
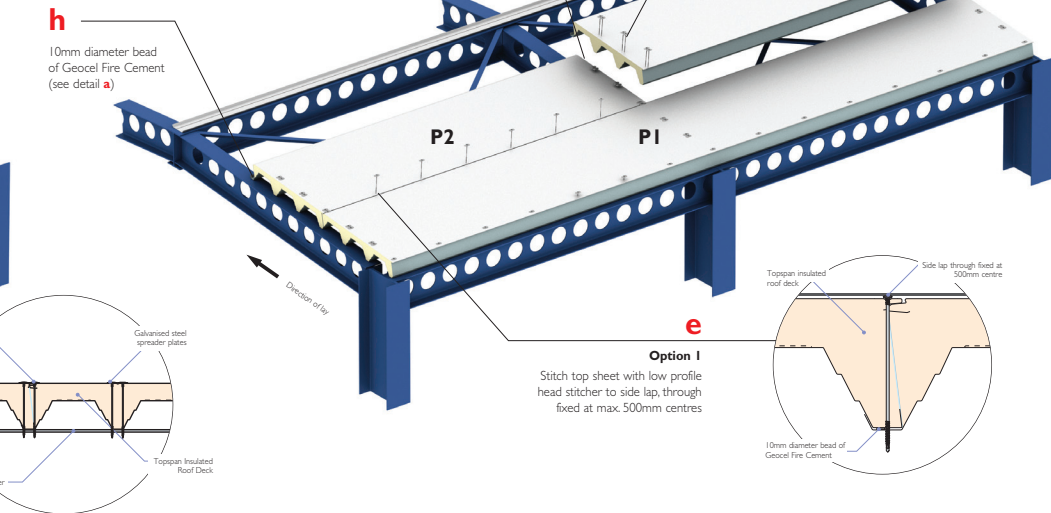


Note:

- 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 Topspan can span up to 8m.
- 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 Topspan panels must be through fixed to frame at 500mm max centres.
- Gun-grade sealant type - non-setting butyl sealant (air sealing).



Note: Panels P2 & P3 are detailed in single span to provide an example of staggered end laps across the roof. This detail remains subject to the project specific design loadings.

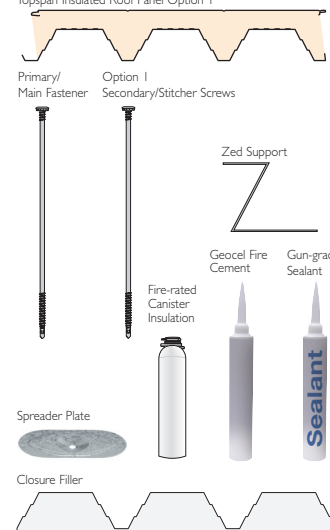


Penetrations / Services Notes:

- For advice on weight of services and attachment to Topspan, contact the Benchmark Technical Services Department.
- Penetrations through Topspan 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.

Components

Topspan Insulated Roof Panel 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.

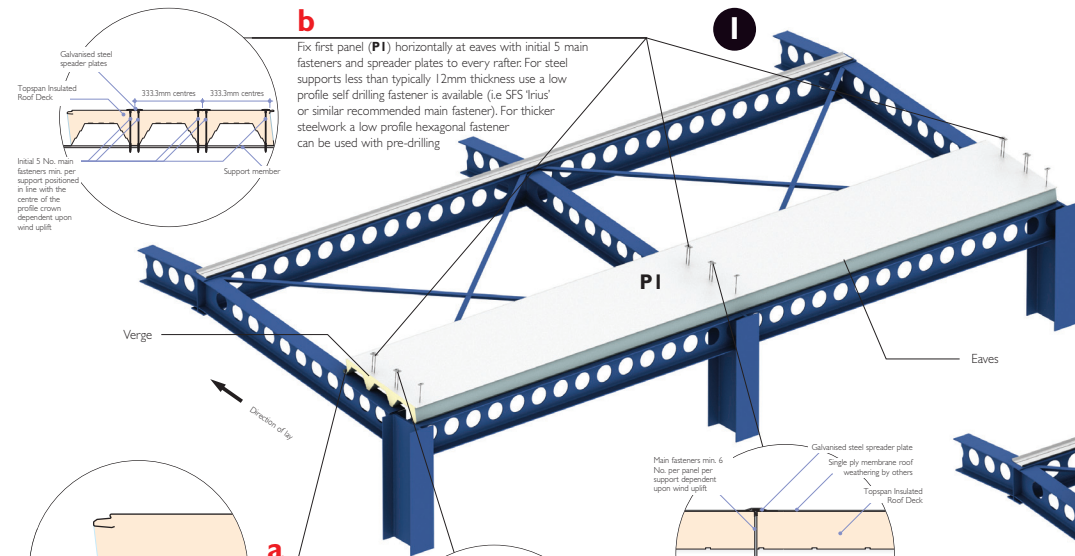
Tel: 01352 716100

Fax: 01352 710161

Email: info@kingspanbenchmark.com

BENCHMARK

TOPSPAN Insulated Roof Deck Installation Guide Fixing Option 2

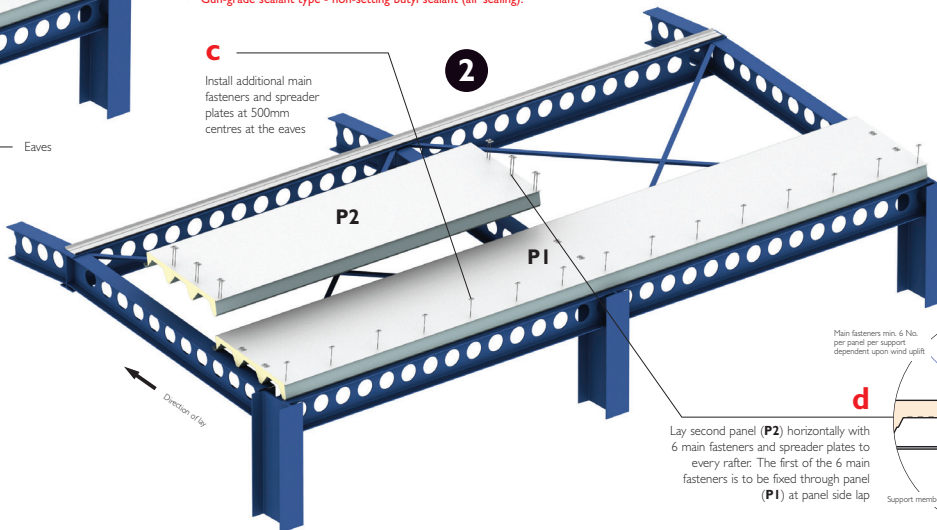


Note:

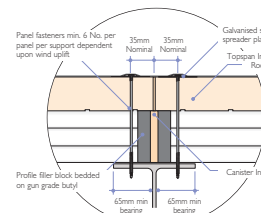
- Available fixing options 1 or 2
- Ensure steel work is suitably lined, levelled and within tolerance.
- The steel design used on this guide is purely indicative.
- Subject to project specific design loadings and proposed finishes Topspan can span up to 8m.
- The steel frame must be designed, made and assembled in accordance with the appropriate British Standards and in line with SCI recommendations.
- At Eaves/Monoridge/Longitudinal Roof Edges the Topspan 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

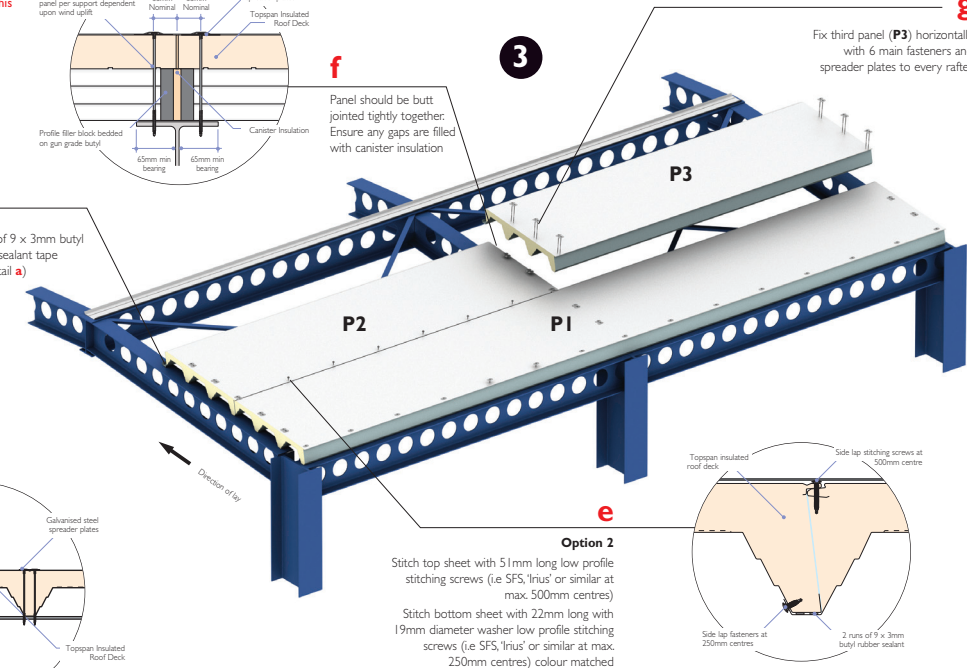


Note: Panels P2 & P3 are detailed in single span to provide an example of staggered end laps across the roof. This detail remains subject to the project specific design loadings.



h

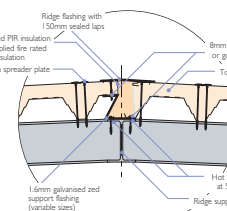
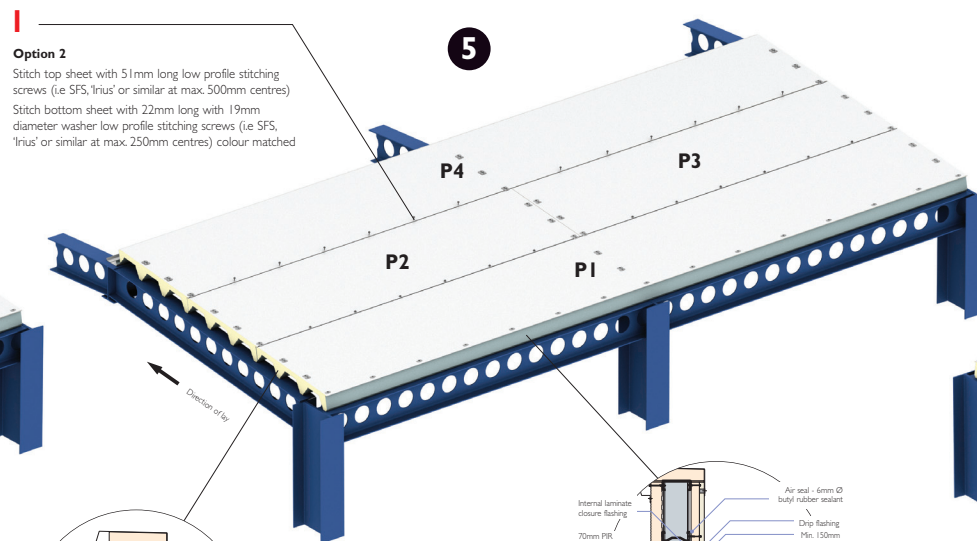
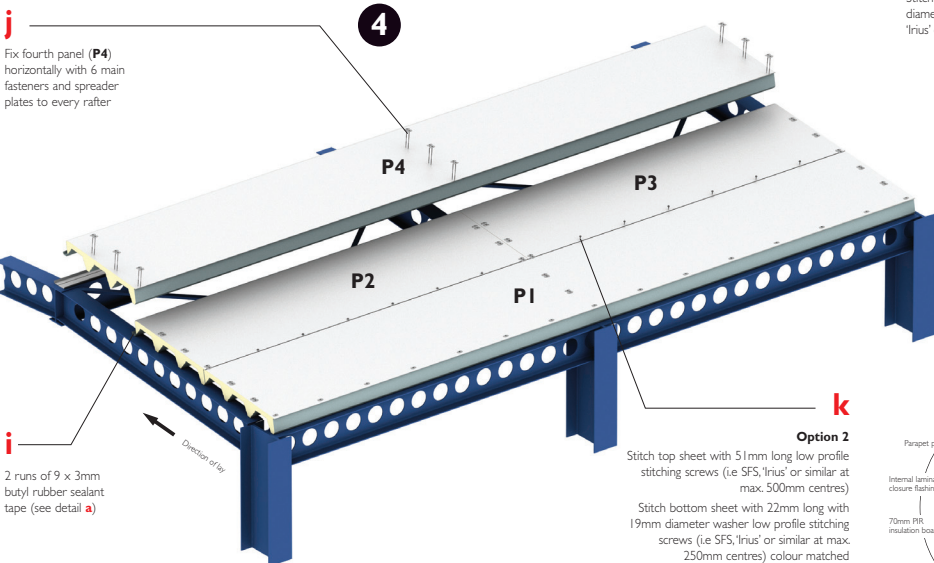
2 runs of 9 x 3mm butyl rubber sealant tape (see detail **a**)



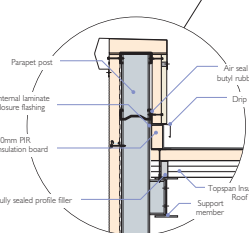
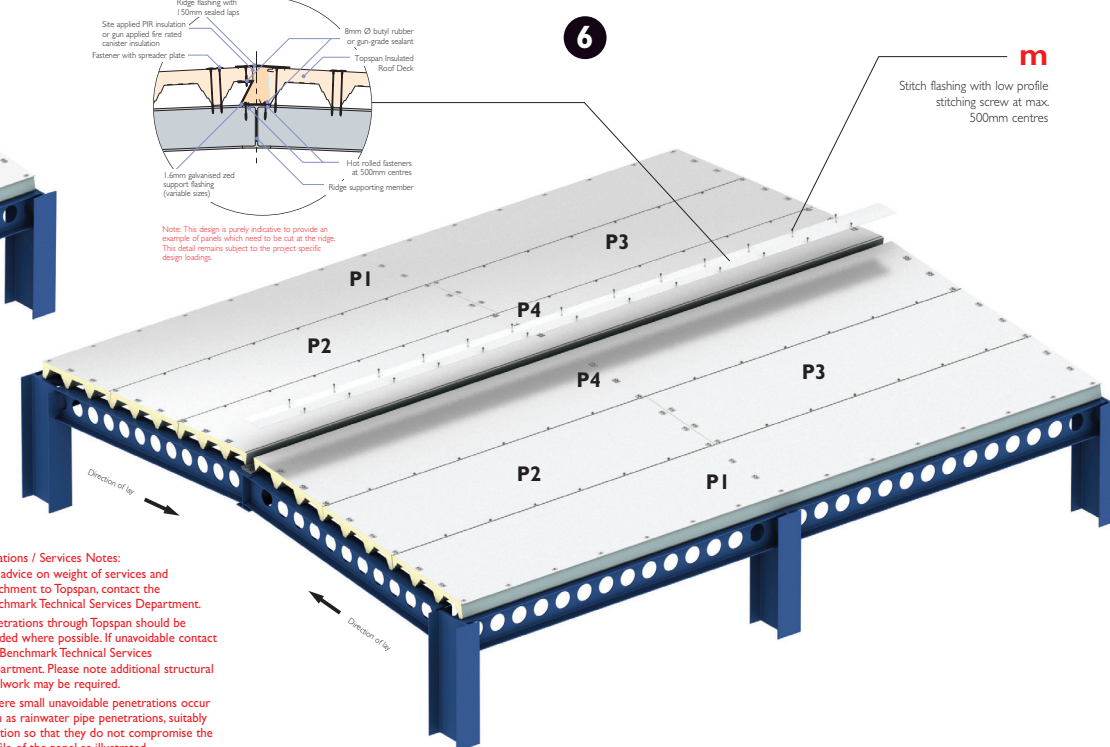
Option 2

Stitch top sheet with 51mm long low profile stitching screws (i.e. SFS, 'Irius' or similar at max. 500mm centres)

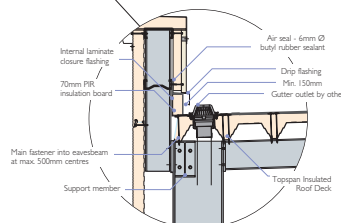
Stitch bottom sheet with 22mm long with 19mm diameter washer low profile stitching screws (i.e. SFS, 'Irius' or similar at max. 250mm centres) colour matched



Note: This design is purely indicative to provide an example of panels which need to be cut at the ridge. This detail remains subject to the project specific design loadings.



Note: Indicative design subject to project specific design loadings.



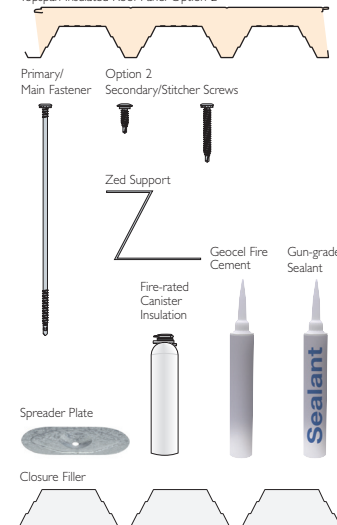
Note: Indicative design subject to project specific design loadings.

Penetrations / Services Notes:

- For advice on weight of services and attachment to Topspan, contact the Benchmark Technical Services Department.
- Penetrations through Topspan 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.

Components

Topspan Insulated Roof Panel Option 2



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.

Tel: 01352 716100

Fax: 01352 710161

Email: info@kingspanbenchmark.com