Kingspan Topdek KS1000 TD Insulated Single Ply Roofdeck Installation Guide







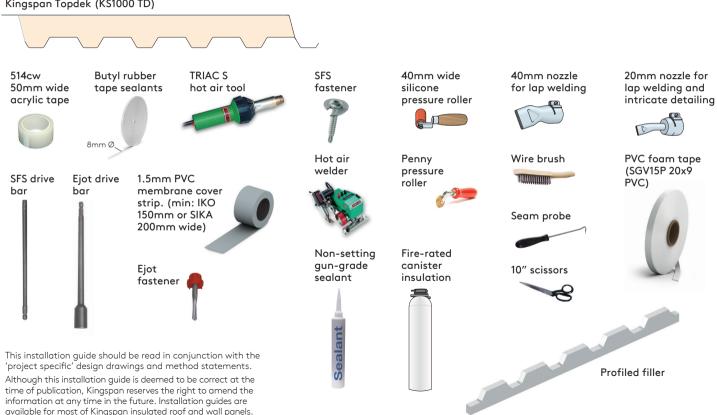




Insulated Single Ply Roofdeck

#### Components

Kingspan Topdek (KS1000 TD)



#### Insulated Single Ply Roofdeck

Note: Only fully trained and certified operatives should install Kingspan Topdek and heat weld the relevant membrane.

Ensure steel work is suitable for panels and is within tolerance.

Ensure the lower panel 60mm cutback is bearing on to upper purlin by a minimum of 60mm.

Gun-grade sealant type - non-setting butyl rubber sealant is recommended.

Panel sequence installed in tiers not coursed.

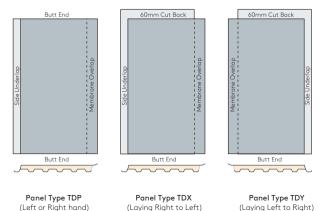
Profiled fillers required at eaves, panel butt joint and ridge.

This product cannot be used in high humidity or hygiene internal environments.

PVC membrane options are: IKO Armourplan or Sika Trocal.

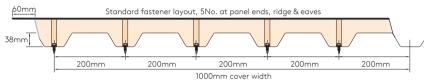
Kingspan Topdek can be used on building applications with a minimum finished roof pitch after deflection of 1:80 (0.72°) to avoid ponding. It is also suitable for curved roof applications with a convex curve (45m radius) and concave curve (50m radius).

As an alternative to using butyl air sealants, a PVC foam tape (SGV15P 20x9 PVC) can be used for an air seal.

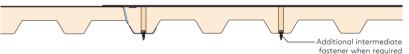


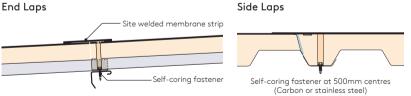
Note: Good practice would recommend that a wind load calculation be carried out for each project, to determine whether additional fasteners are required to meet local wind uplift requirements

#### Fastener Layout

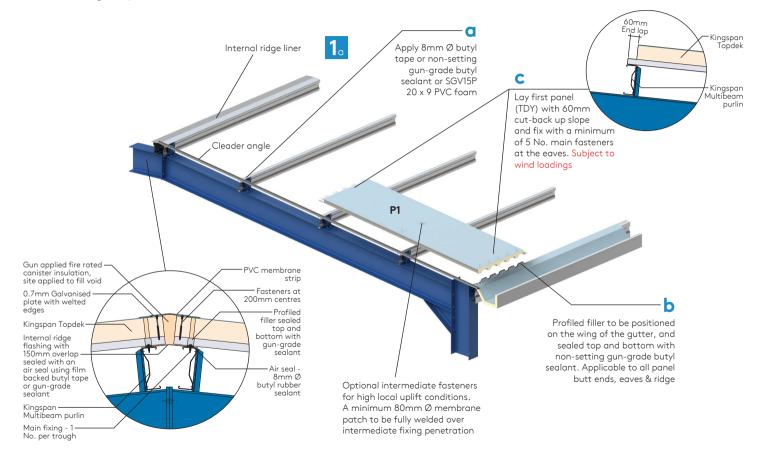


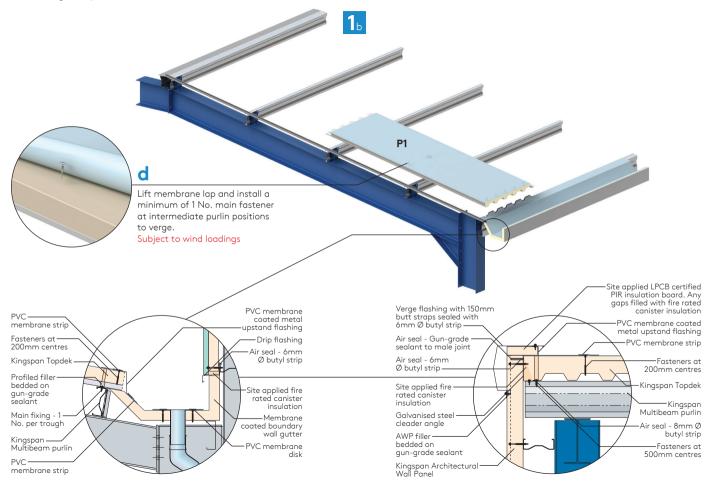
#### Standard Fastener Layout for Intermediate Panels



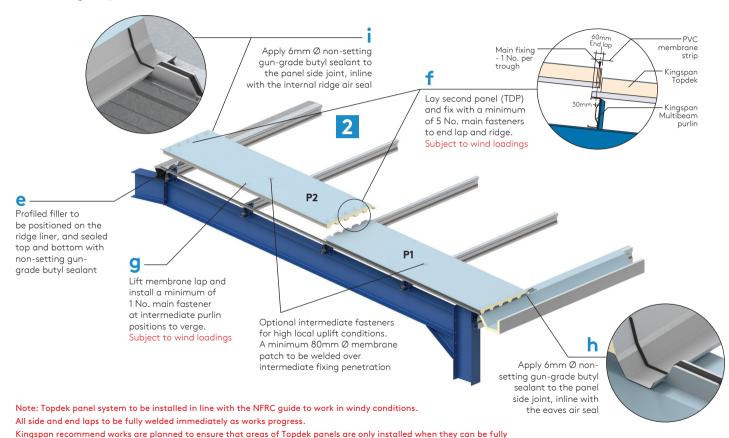


Note: For FM Core panel Specification there is a requirement for 5No main fasteners at intermediate locations subject to wind loads. Contact Kingspan Technical Services for further information.



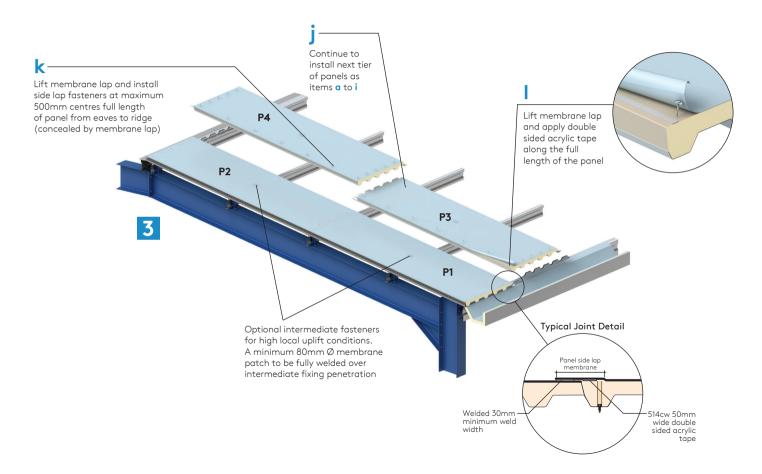


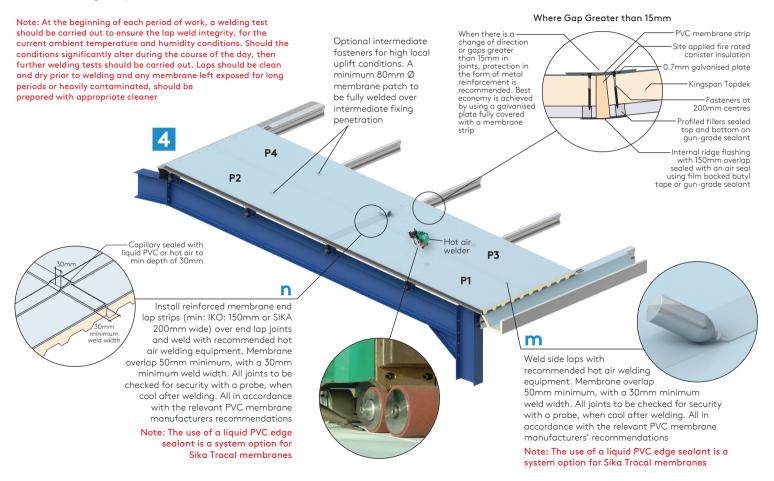
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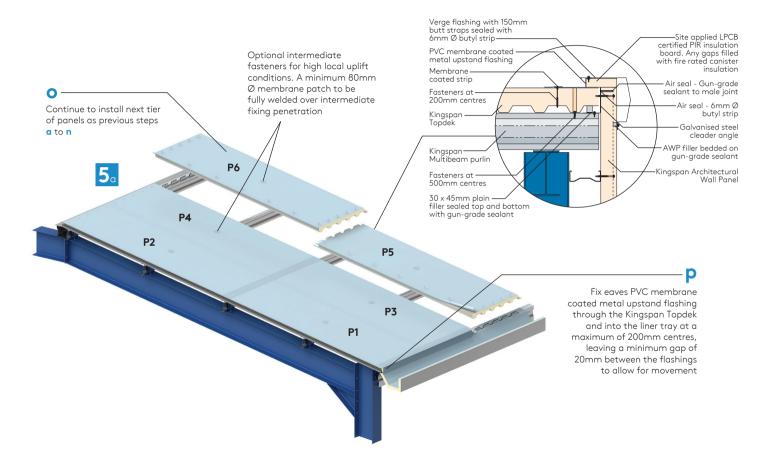


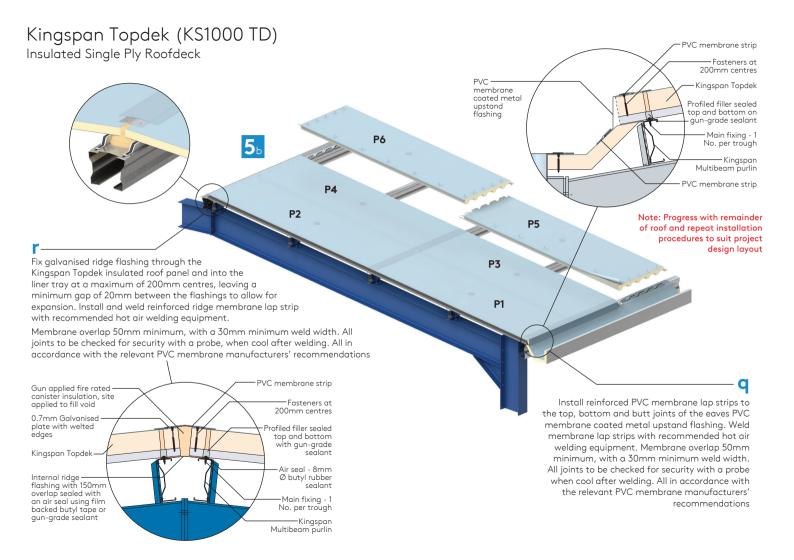
completed the same day. Topdek roof areas should be inspected during and at the end of the working day to make sure that loose membrane lap materials are not left unsecured to prevent wind damage.

Membrane lap strip to overlap a minimum of 50mm past all fasteners to enable 30mm minimum weld width









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

Please call Kingspan Technical Services on:

UK Tel: +44 (0)1352 716101 or Freephone: 0800 587 0090

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 $www.kingspanpanels.co.uk \ / \ www.kingspanpanels.ie$ 

