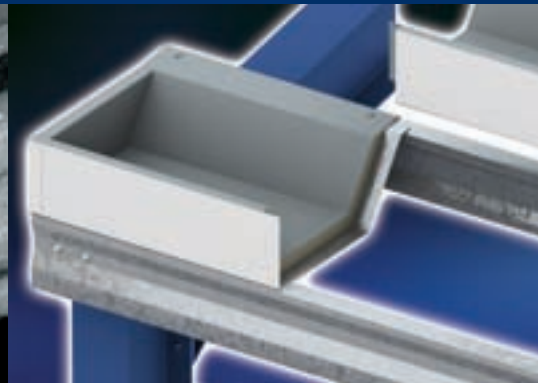


ARCHITECTURAL FEATURE COMPONENTS



Ancillaries

Membrane Lined Insulated Gutters



“Kingspan’s Membrane Lined Insulated Gutter is long and lightweight for quick installation.”

System Benefits

- Available in lengths of up to 6 metres to enable installation to be completed twice as quickly as traditional 3 metre lengths.
- Manufactured using composite action to be lightweight for easy handling without compromising structural strength and durability.
- Insulated with Kingspan **FIREsafe** LPCB certified polyisocyanurate (PIR) insulation for peace of mind.

Application

The Kingspan Membrane Lined Insulated Gutter is suitable for both boundary wall and valley gutter applications in a factory or warehouse building, where the occupants or processes do not add significant water vapour to the air. For further information on internal environments please contact Kingspan **envirocare**® Technical Services.

The Kingspan Membrane Lined Insulated Gutter is available for manufacture to customers’ requirements up to and including 6 metres long.

A range of gutter components are available made to order, including internal and external corners, stop ends, T-sections, sumps, overflows and weirs.

The paper we have printed on is from 80% post-consumer waste and the remaining 20% pulp is TCF (Totally Chlorine Free). This fibre is FSC certified (see fsc.org for details). In recognition, the range has been awarded both the NAPM and Eugropa recycled marks, two of the most prestigious and recognisable recycled certificates available. The ink we have used is vegetable based, allowing the document to be recycled.



Product Tolerances

Cut to Length (mm)	+3	-3
Cover Width (mm)	+2	-2
Thickness (mm)	+0	-2
End Square (mm)	+3	-3
Angles	+1°	-1°

Materials

Steel Substrate

- S220GD+ZA hot-dip zinc/aluminium coated metal.
- Standard external sheet thickness 0.8mm, standard internal sheet thickness 0.5mm.

Coatings – External Weather Sheet

- 500 microns PVC, colour light grey.

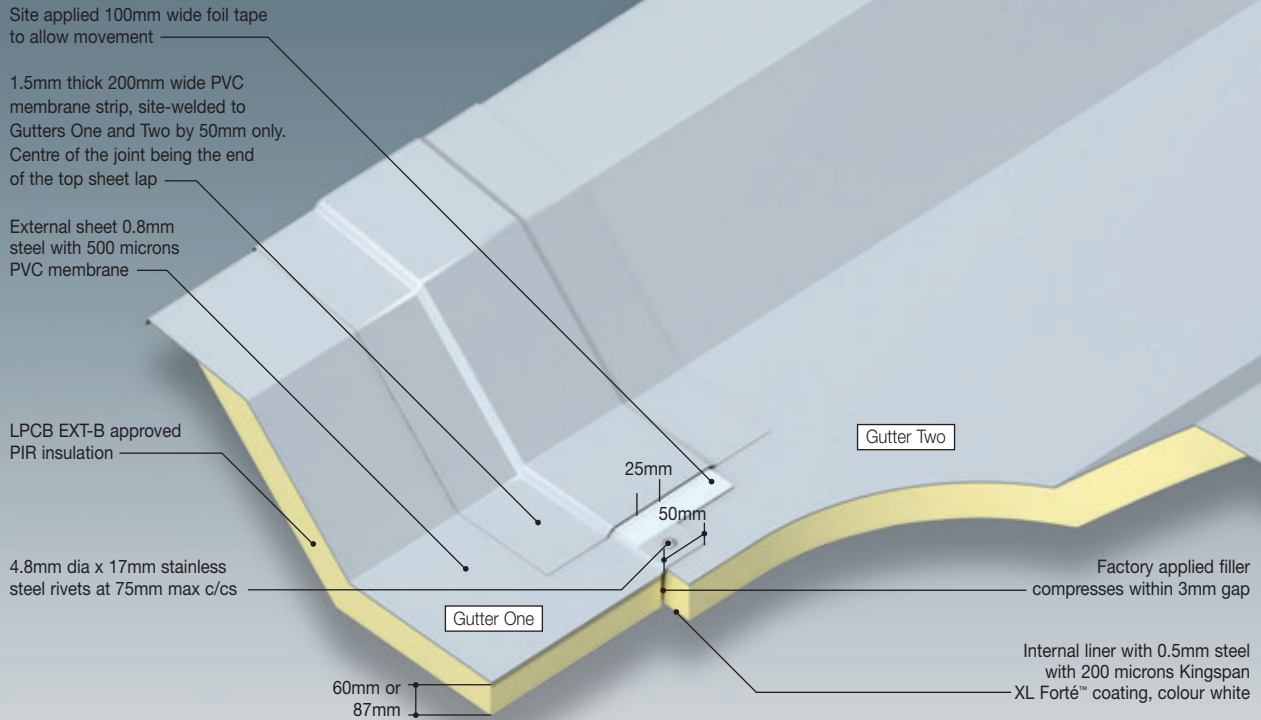
Coatings – Internal Liner Sheet

- 200 microns Kingspan XL Forté™, colour white.

Welding Strip

- 1.5mm thick, 200mm wide PVC, colour grey, site welded 40mm to weather sheet of each gutter piece.

Gutter Joint



Insulation Core

The core of the Kingspan Membrane Lined Insulated Gutter is a closed cell LPCB approved **FIREsafe** PIR insulation which is non-deleterious with zero Ozone Depletion Potential (zero ODP).

Thermal Performance

60mm or 87mm thick has a thermal transmittance (U-value) of 0.35W/m²K (pre-melt) or 0.25W/m²K respectively, calculated using the method required by Part L2A (England & Wales) Building Regulations and Section 6 (Scotland) Technical Handbooks.

Fully Tested

Kingspan Membrane Lined Insulated Gutters are fully tested to withstand temporary installation foot traffic and long-term dead/live loads.

Long-term Performance Requirements

This product has been tested according to ACR[M]001:2005 for non-fragility and achieved Class B.

Kingspan Support

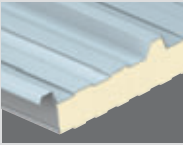

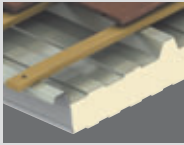
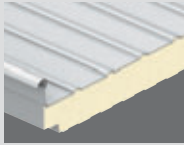
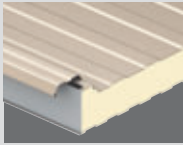
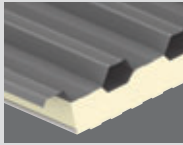
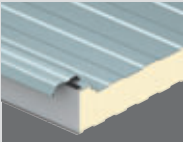
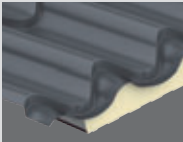
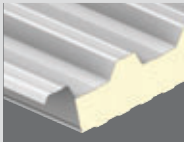
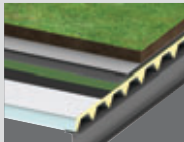
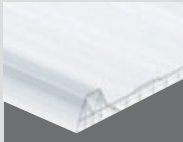
Kingspan **envirocare**® Technical Services offer technical advice and support throughout the design and construction process. From the undertaking of roof drainage calculations to optimising the gutter size, outlet size and outlet positions, to providing thermal junction values for whole building calculations, Kingspan **envirocare**® Technical Services can help to ensure that your building complies with the building and thermal regulations. NBS format specifications are also available.

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TECHNICAL SERVICES
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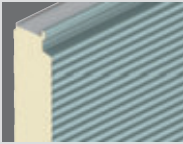




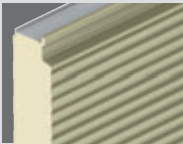

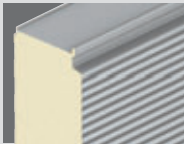





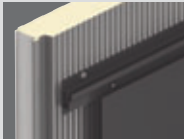



Kingspan's Field Service Engineers offer free contractor training on the installation of new and existing products at our specially designed facilities at Holywell, North Wales. They also offer a site inspection service throughout the construction stage and can offer advice on mechanical handling solutions.

Kingspan Insulated Roof, Wall & Façade Systems

Roof Systems

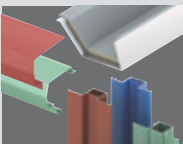
KS1000 RW Trapezoidal	KS1000 SF Secret Fix	KS1000 TS Slate & Tile Support	KS500/1000 ZIP Kingzip® Standing Seam	KS1000 LP Lo-Pitch	Kingspan EnergiPanel™
					
KS1000 CR Curved Roof	Kingspan Roof Tile	KS1000 FC Box Profile	Kingspan Envirodek™	Kingspan Polycarb Rooflight	
					

Wall & Façade Systems

KS600, 900 & 1000 Optimo™	KS600, 900 & 1000 MR Micro-Rib	KS600, 900 & 1000 EB Euro-Box	KS600, 900 & 1000 FL Flat	KS600, 900 & 1000 FL-S Stucco	KS600, 900 & 1000 MM Mini-Micro
					
KS600, 900 & 1000 CX Convex	KS600, 900 & 1000 WV Wave	KS600, 900 & 1000 LS Longspan™	KS1000 RW Trapezoidal	KS1000 FC Box Profile	Kingspan EnergiPanel™
					
Kingspan Thermatile	Kingspan Thermabrick™	Kingspan Thermastone	Kingspan WoodTherm™	Kingspan Render Panel	Kingspan Wall-Lite
					

Ancillaries

Gutters, Tophats & Flashings



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