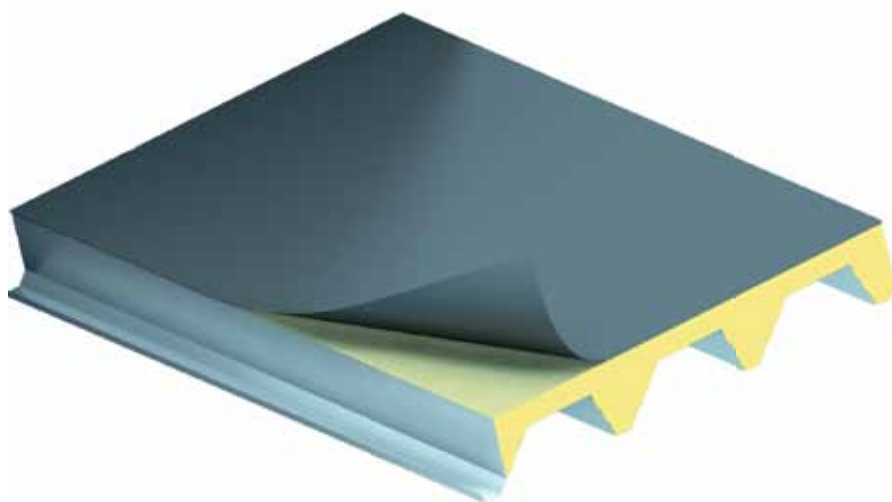


Kingspan

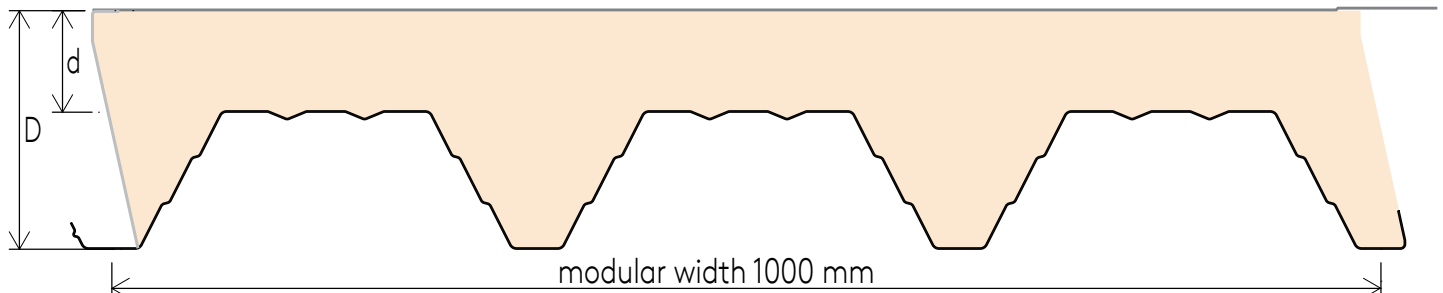
KS1000 X-dek™ (XM)

Product Data Sheet

Roof panel with IPN core and PVC membrane on external side.



Cross section



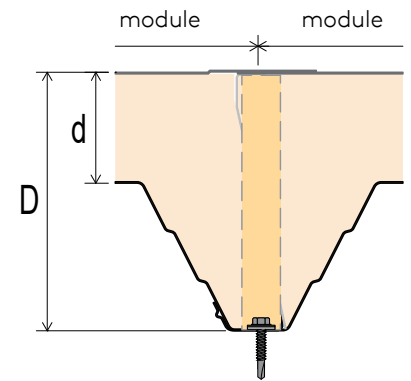
Application

KS1000 X-dek™ XM panel is suitable for flat roofs in all building applications, except where there are low temperature internal conditions. KS1000 X-dek™ XM type is produced with factory applied roofing membrane (PVC), ready for hot air weld at side laps area. KS1000 X-dek™ XM panels can be installed on roofs with minimum inclination > 1%.

The application of panel should be verified for each project individually, in order to meet the design requirements.

[Click here to download Load Span Tables for KS1000 X-dek™ panels.](#)

Joint detail



Technical details

Product	Module [mm]	Insulation core thickness d/D [mm]	Weight [kg/m²]		Production length ⁽²⁾ [m]		Number of panels in bundle [pcs]	Heat transfer coefficient U _{d,s} [W/(m²·K)] for λ = 0,023* (th. 100 mm) for λ = 0,022** (th. 140 mm) [W/mK] at temp. 10°C	Sound reduction index R _w [dB]	Fire parameters		
			Bottom deck thickness		Min. ⁽¹⁾	Max.				Spreading fire rate	Reactione to fire	Fire resistance (3)/(4)
			0,9 mm	1,1 mm								
KS1000 X-dek™ (XM)	1000	100/208	16,58	18,92	3,0	15,0	6	0,20*	23	B _{ROOF} (t ₁)	B-s2,d0	REI 15
		140/248	17,94	20,28			5	0,14**	24			REI 30

Note:

- 1) At the request of the ordering party (for an additional fee) it is possible to deliver shorter panels. In other cases, short sections are combined in length meeting the production requirements.
- 2) All panels are manufactured with factory made endlaps (included in total length). Dimension of cutback: 50-630 mm; Cut Back orientation: left or right.
- 3) For maximum allowed span, in case of fire resistance requirements, please contact Kingspan Technical Service.
- 4) Fire resistance parameters are valid for the product specification based on specific fire resistance classification of relevant product.

Technical data

Profilation	Geometry - dimensions in [mm]	Exterior	Interior
Trapez			

standard

on request

Material

- **External facings:**
 - reinforced PVC membrane th. 1,2 mm & width 1100 mm
 - reinforced PVC membrane th. 1,5 mm & width 1050 mm
- **Interior facings:**
 - hot dip zinc coated steel according to EN 10 346 of 0,9 mm or 1,1 mm gauge.
- **Insulation core**
 - closed cell rigid IPN foam;

Interior Coating Options

- **Polyester (PEI)** - for the environment category up to CPI2;
- **PVDF 2-layer¹⁾** - for the environment category up to C3;
- **PVDF 3-layer¹⁾** - for the environment category up to C3²⁾;
- **Spectrum (PU)** - for the environment category up to C4³⁾;

1) Selection of a suitable coating for the corrosivity class from the inside to be confirmed by the Kingspan Quality Control Department.

2) Corrosion resistance category up to C4 on special order.

3) Corrosion resistance category up to C5 - I, M on special order.

Conformity

For Technical Approval please contact your local Kingspan Office.

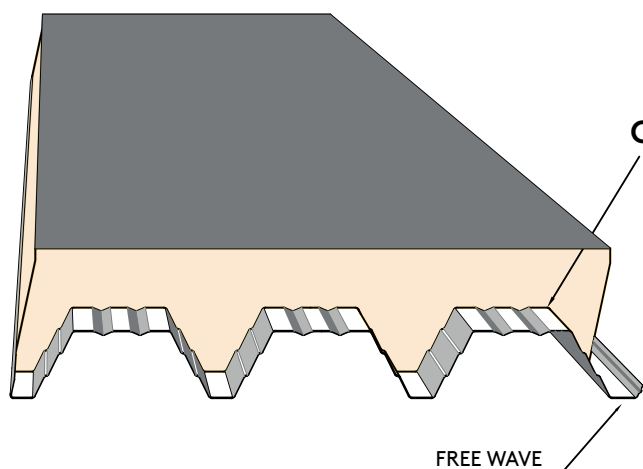
Quality

Kingspan insulated sandwich panels are manufactured from the highest quality materials, using state of the art production equipment to rigorous quality standards, complying with ISO 9001:2015, ensuring long term reliability and service life.

Guarantees & Warranties

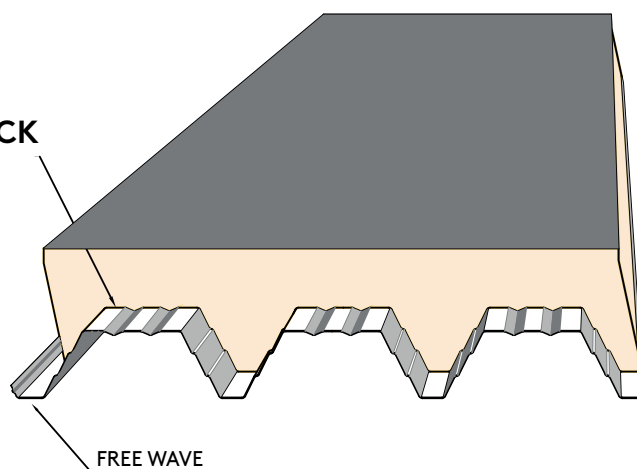
Kingspan will provide coating and product guarantees on a project by project basis.

LEFT PANEL



Installation direction from LEFT to RIGHT

RIGHT PANEL



Installation direction from RIGHT to LEFT

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Information about the product offer in others countries can be obtained from your local sales representative or on the website www.kingspan.com.

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