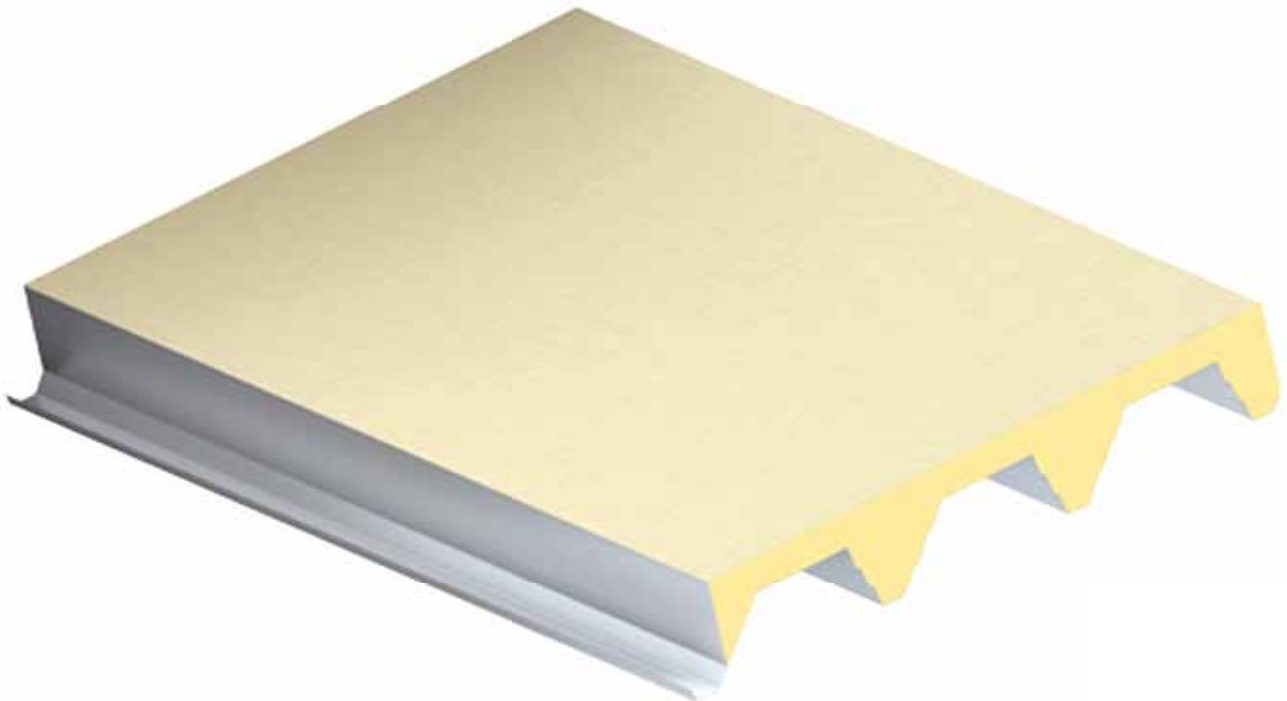


# Kingspan

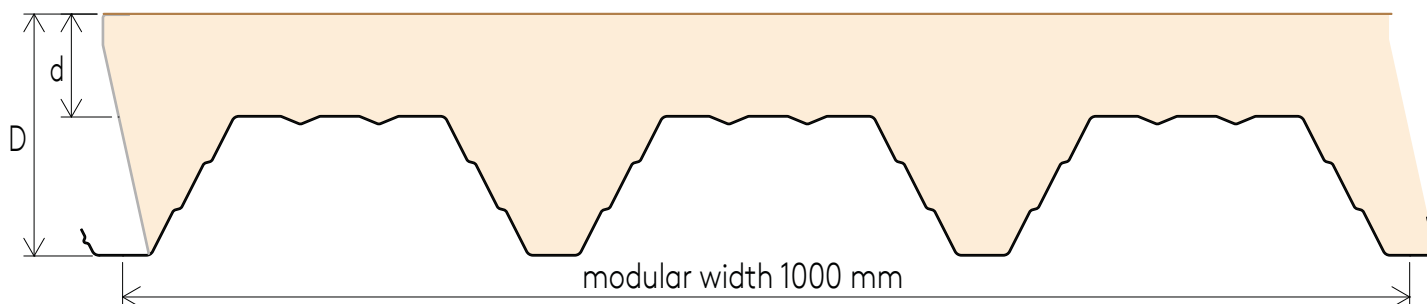
## KS1000 X-dek™ (XG)

### Product Data Sheet

Roof panel with IPN core and glass tissue facing on external side.



### Cross section



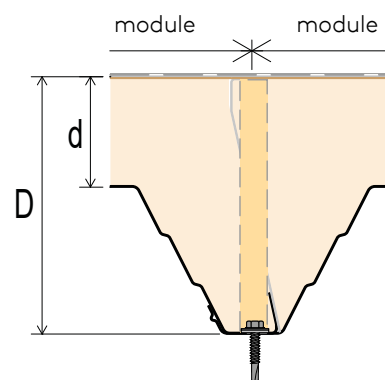
### Application

KS1000 X-dek™ XG panel is suitable for flat roofs in all building applications, except where there are low temperature internal conditions. KS1000 X-dek™ XG type is produced with factory applied Glass tissue facing (TR27) suitable for mechanically fixed or fully adhered single ply PVC or EPDM membrane. KS1000 X-dek™ XG 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/m <sup>2</sup> ]		Production length <sup>(2)</sup> [m]		Number of panels in bundle [pcs]	Heat transfer coefficient U [W/(m <sup>2</sup> K)] for $\lambda = 0,025$ (th. 100 mm) for $\lambda = 0,024$ (th. 140 mm) [W/mK] at temp. 10°C	Sound reduction index R <sub>w</sub> [dB]	Fire parameters		
			Bottom deck thickness		Min. <sup>(1)</sup>	Max.				Spreading fire rate	Reaction to fire	Fire resistance <sup>(3)(4)</sup>
			0,9 mm	1,1 mm								
KS1000 X-dek™ (XG)	1000	100/208	15,20	17,40	3,0	15,0	7	0,22	24	B <sub>ROOF</sub> (t <sub>1</sub> , t <sub>3</sub> )	B-s2,d0	REI 20 (0°-15°)
		140/248	16,70	18,90								6

- 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

Profilacja	Geometry - dimensions in [mm]	Exterior	Interior
V (trapez)			

- standard
- on request

### Material

- **Exterior facings:**
  - glass veil (TR27) - being a base layer for roofing system, e.g. one- and two-layer bituminous roofing felts, mechanically fixed or welded two-layer self-adhesive bituminous roofing felts and mechanically fixed or glued PVC and TPO synthetic membranes.
- **Interior facings:**
  - hot dip zinc coated steel according to EN 10 346 of 0,9 mm or 1,1 mm gauge.
- **Rdzeń termoizolacyjny**
  - closed cell rigid IPN foam;

### Interior Coating Options

- **Poliester SP15 - (Kingspan PEI)** - corrosivity category up to C2;
- **Poliester SP25 - (Kingspan PES)** - corrosivity category up to C3;
- **PVD(F) 2 layers - (Kingspan PVD(F) 2 layers)** - corrosivity category up to C3<sup>1)</sup>;
- **PVD(F) 3 layers - (Kingspan PVD(F) 3 layers)** - corrosivity category up to C3<sup>1)</sup>;
- **PUR55 - (Kingspan Spectrum)** - corrosivity category up to C4<sup>1)</sup>;

1) Corrosion resistance category up to C4 on special order; to be confirmed by Kingspan's Quality Control Department.  
 2) Corrosion resistance category up to C5-I, M on special order; to be confirmed by Kingspan's Quality Control Department.

### 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.

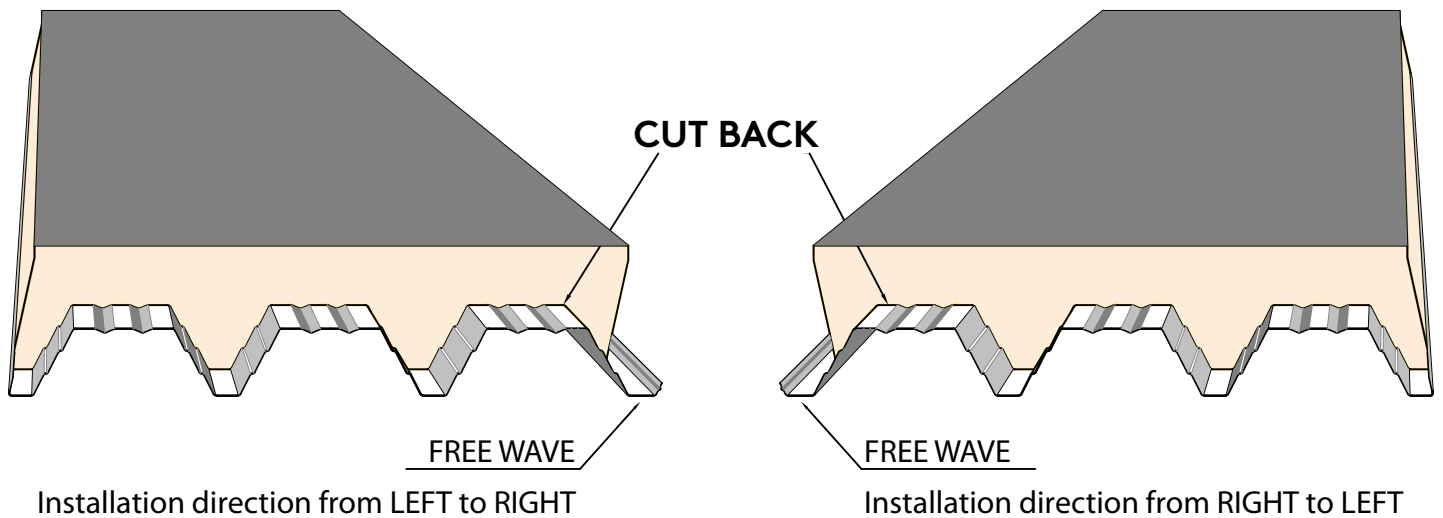
### Guarantees & Warranties

The Kingspan guarantees are individually assessed for each project, especially depending on the aggressiveness of the environment and the type of surface treatment chosen.

Cut Back - KS1000 X-dek™ XG:

**LEFT PANEL**

**RIGHT PANEL**



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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](http://www.kingspan.com)



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