

Kingspan

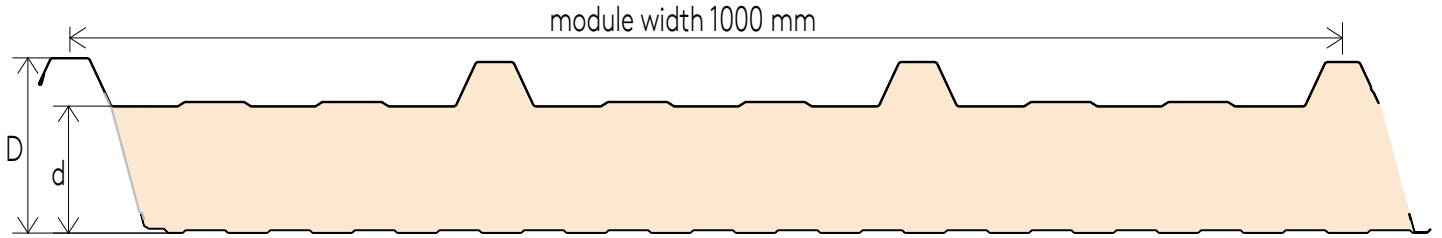
KS1000 RW

Product Data Sheet

Wall panel with IPN insulation core



Cross section



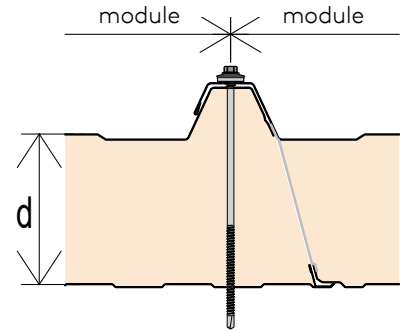
Application

KS1000 RW facade sandwich panels can be used on all types of objects, especially facades where you want to highlight the surface with trapezoidal profiling. KS1000 RW panels can be used as roof panels to achieve a uniform look. The panels can be transversely connected along the length of the trapezoidal sheet. Design them for both vertical and horizontal placement.

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

[Click here to download Load Span Table for KS1000 RW](#)

Joint detail



Technical details

Product	Module [mm]	Insulation core thickness d/D [mm]	Weight [kg/m ²]	Panel lengths ⁽²⁾ [m]		Number of panels in bundle [pcs]	Heat transfer coefficient U _{d,s} [W/(m ² K)] for λ = 0,022 [W/mK] at temp. 10°C	Sound reduction index R _w [dB]	Air permeability V _{A50} [m ³ /m ² h ³]	Fire parameters		
				Min. ⁽¹⁾	Max.					Reaction to fire	Fire resistance ⁽²⁾	
											H horizontal	V vertical
KS1000 RW	1000	40/75	9,47	3,0	15,0	20	0,50	25	-	B-s1, d0	-	-
		60/95	10,19			15	0,34					
		80/115	10,91			12	0,26					
		100/135	11,63			10	0,21					
		120/155	12,35			8	0,18					
		140/175	13,07			7	0,15					
		160/195	13,79			6	0,13					

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) Fire resistance parameters are valid for the product specification based on specific fire resistance classification of relevant product.
 3) Based on PN-EN 12114:2003 standard.

Technical data

Profilation	Geometry - dimensions in [mm]	Exterior	Interior
T (Trapez)			
I (Minibox 33)			
F (Flat)			

standard

on request

Material

- **Exterior/Interior facings:**
 - Hot-dip zinc coated steel with a total of 275 g/m² of zinc, according to EN 14509;
- **Insulation core**
 - closed cell rigid IPN foam;

Exterior coating options

- **Poliester SP25 – (Kingspan PES)** - corrosivity category up to C3;
- **PVD(F) 2 layers - (Kingspan PVD(F) 2 layers)** - corrosivity category up to C3¹⁾;
- **PVD(F) 3 layers - (Kingspan PVD(F) 3 layers)** - corrosivity category up to C3¹⁾;
- **PUR55 - (Kingspan Spectrum)** - corrosivity category up to C4²⁾;

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 C3¹⁾;
- **PVD(F) 3 layers - (Kingspan PVD(F) 3 layers)** - corrosivity category up to C3¹⁾;
- **FoodSafe PVC(F) (Kingspan FoodSafe)** - corrosivity category up to C5-I
- **PUR55 - (Kingspan Spectrum)** - corrosivity category up to C4¹⁾;

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.

Reference documents

KS1000 RW sandwich panels are manufactured in accordance with the EN 14 509 and CE marked.

Quality

Kingspan insulated sandwich panels are manufactured from the highest quality materials, using state of the art production equipment to rigorous quality control standards, complying with ISO 9001:2015 standards, 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.

KINGSPAN STANDARD COLORS - EXTERIOR SIDE

Exterior coat types (for galvanized steel)	Poliester (PES) - 25 µm	R9002	R7035	R9006	R9007	R7016
		The colors are only illustrative in nature and may differ from the actual ones. Standard interior colors for KS1000 RW panels are R9010 PES or R9002 PEI (dedicated for the inside of the panel).				

Other colors from other palettes are also available on request, after prior consultation with Kingspan.

Kingspan Sp. z o.o.
ul. Przemysłowa 20
27-300 Lipsko
tel.: +48 48 378 31 00
fax: +48 48 378 13 30
www.kingspan.pl

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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