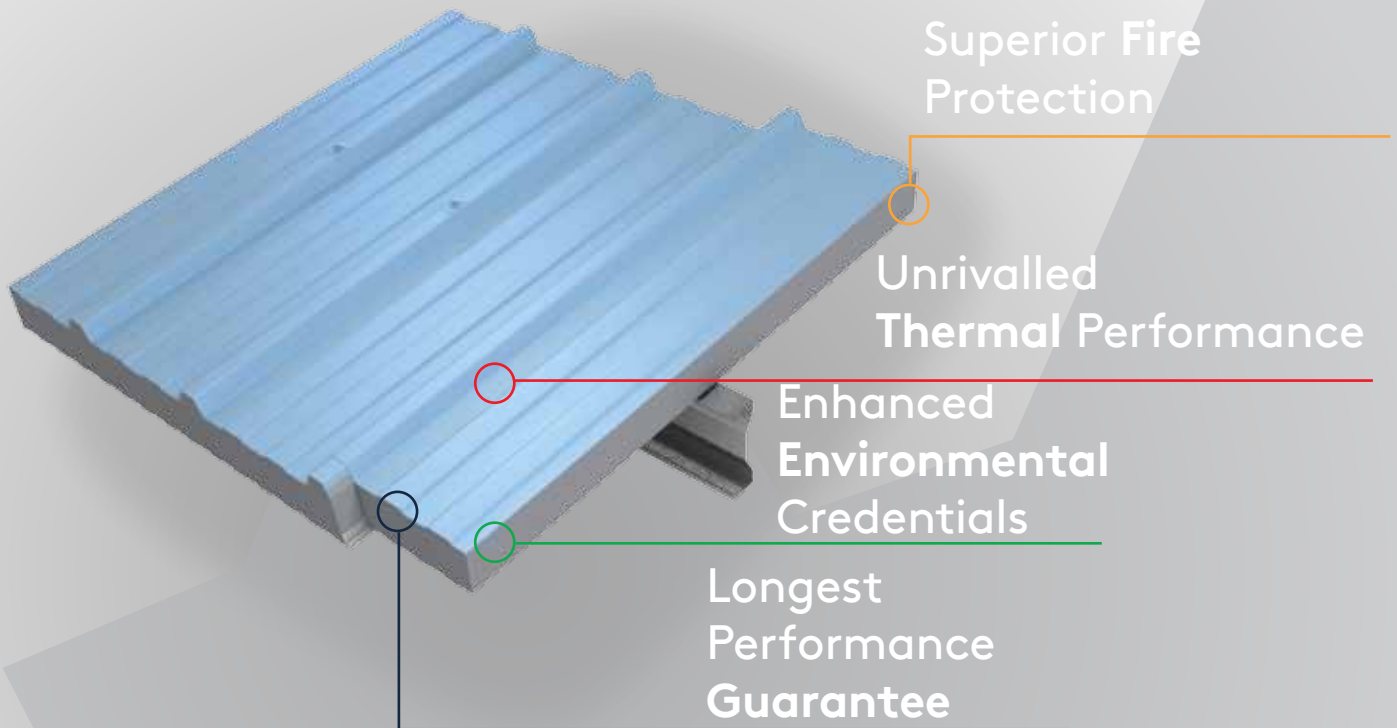


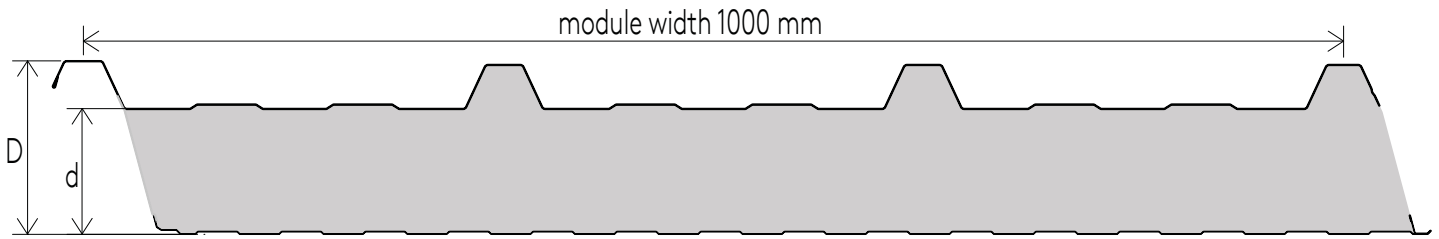


QuadCore[®] KS1000 RW

Product Data Sheet



Cross section



Application

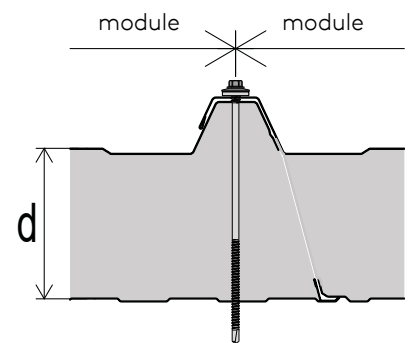
The KS1000 RW is a trapezoidal formed roof system with a standard fastening method (through fixed), which is suitable for all building applications, with a roof slope:

- more than 4° (7%) for roofs with one panel in the slope direction;
- more than 6° (10%) for roofs with end lapping (two or more panels in slope direction).

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



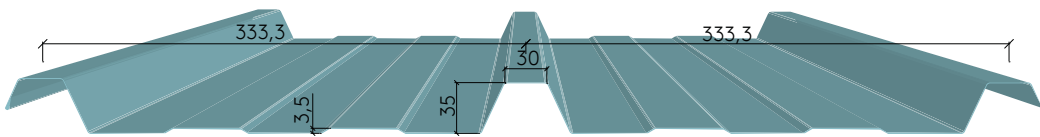
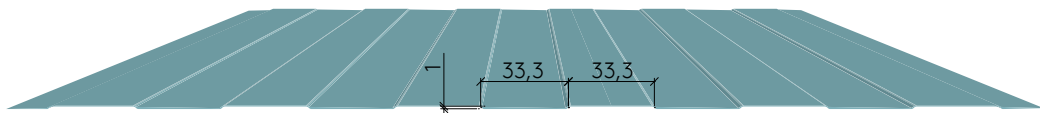
Technical details

Product	Module [mm]	Insulation core thickness d/D [mm]	Weight [kg/m ²]	Panel lengths ⁽³⁾ [m]		Number of panels in bundle [pcs]	Heat transfer coefficient $U_{d,s}$ [W/(m ² K)] for $\lambda = 0,019$ [W/mK] at temp. 10°C	Sound reduction index R_w [dB]	Fire parameters		
			Thickness of steel facings ext./int. 0,5 mm / 0,4 mm	Min. ⁽¹⁾	Max.				Spreading fire rate	Reaction to fire	Fire resistance ⁽²⁾
KS1000 RW QuadCore®	1000	40/75	9,55	3,0	15,0	20	0,48	25	B_{ROOF} (t_1, t_2, t_3)	B-s2,d0	-
		60/95	10,31			15	0,32				
		80/115	11,07			12	0,24			B-s1,d0	REI 20 RE 30 (0°-15°)
		100/135	11,83			10	0,18				
		120/155	12,59			8	0,15				
		140/175	13,35			7	0,14				
		160/195	14,11			6	0,12				

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) All panels are manufactured with factory made endlaps (included in total length). Dimension of cutback: 50-350 mm; 50-630 mm; Cut Back orientation: left or right.

Technical data

Profilation	Geometry - dimensions in [mm]	Exterior	Interior
T (trapez)			
I (minibox)			
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;
 - austenitic stainless steel type 1.4301 according to EN 10 088;
- **Insulation core:**
 - rigid **QuadCore™** polyisocyanurate foam with closed cell structure;

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 QuadCore® sandwich panels are manufactured in accordance with the EN 14 509 and CE marked. KS1000 RW QuadCore® panels meet the requirements for FM Global certification (4471 - roof panel).

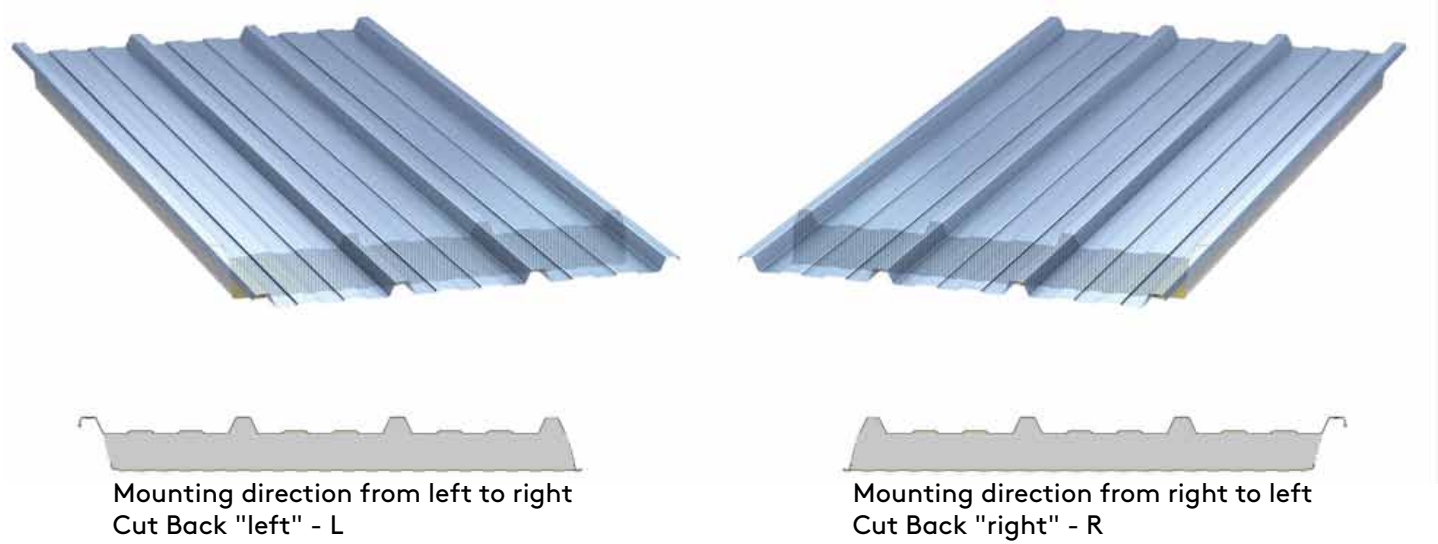
Quality

Kingspan insulating sandwich panels are made from the highest quality materials, using the latest manufacturing technology, meet the stringent quality control requirements, meet ISO 9001:2015 standards and guarantee long service life and reliability.

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 RW with QuadCore insulation core:



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.

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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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