

Kingspan

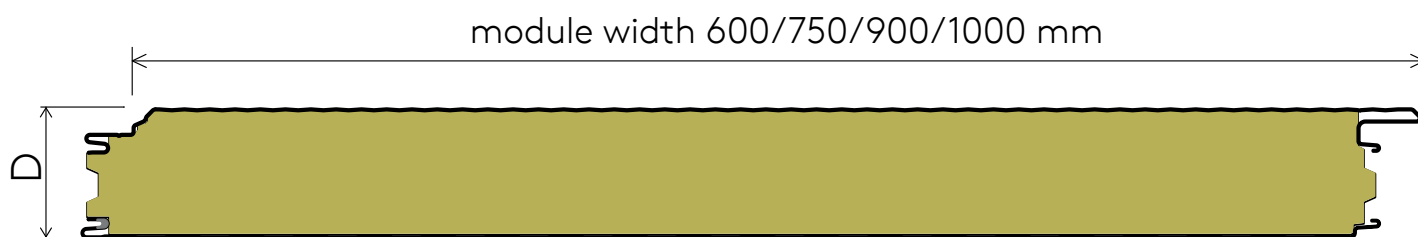
KS1000 RH C

Product Data Sheet

Wall panel with concealed fix and K-Roc® stone wool insulation core.



Cross section



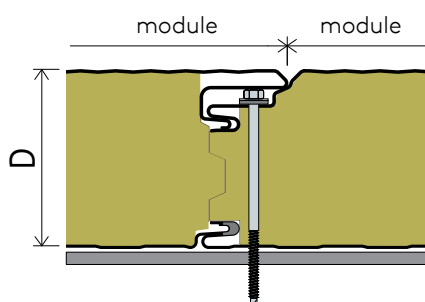
Application

The KS1000 RH C is a concealed fixing wall system which can be laid vertically or horizontally and is suitable for wall claddings on all types of buildings except where there are low internal temperature conditions (below 0 °C).

Panel KS1000 RH C available also in modules width 600 mm, 750 mm and 900 mm.

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

Joint detail



Technical properties

Product	Module [mm]	Insulation core thickness D [mm]	Weight [kg/m ²]	Panel lengths [m]		Number of panels in bundle [pcs]	Heat transfer coefficient U _{d,s} [W/(m ² K)] for λ = 0,040 [W/mK] at temp. 10°C	Sound insulation R _w [dB]	Fire parameters				
				Min. ⁽¹⁾	Max.				Reaction to fire	Fire resistance ⁽³⁾			
										H - horizontal	V - vertical		
KS1000 RH C	1000 ⁽²⁾	80	16,73	2,0	9,0	15	0,50	30	A2-s1,d0	-	-		
		100	18,43		14,3	12	12			0,40	31	EI 30 - 4,0 m (o<->i) EI 15 - 7,5 m (o<->i)	EI 30 - 4,0 m (o<->i) EI 15 - 7,5 m (o<->i)
		120	20,13			9/10	9	0,33		30		EI 240 - 4,0 m (o->i) EI 60 - 6,0 m (o<->i) EI 45 - 7,5 m (o<->i)	EI 240 - 4,0 m (o->i) EI 60 - 6,0 m (o<->i) EI 45 - 7,5 m (o<->i)
		150	22,68			7/8	7	0,27					
		175	24,81	6/7	6	0,23	29						
		200	26,93	5/6	5	0,20							
		220	28,63	12,0	5	5	0,18						
		240	30,33		4/5	4	0,17						

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) Panel available also in modules width **600 mm, 750 mm and 900 mm**.
- 3) Fire resistance parameters are valid for the product specification based on specific fire resistance classification of relevant product.

Profilation options

Profilations	Geometry - dimensions in [mm]	External	Internal
M (Micro)		■	
E (Euro)		■	
B (Box)			■
Q (Minibox 22)		■	■
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 14 509;
- **Insulation core**
 - K-Roc® stone wool core - Class A;

Exterior coating options

- **Polyester 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⁾; ●
- **PUR (Kingspan Spectrum)** - corrosivity category up to C4²⁾; ■

Interior coating options

- **Polyester SP15 (Kingspan PEI)** - corrosivity category up to C2; ■
- **Polyester SP25 (Kingspan PES)** - corrosivity category up to C3; ■
- **FoodSafe PVC(F) (Kingspan FoodSafe)** - corrosivity category up to C5-I; ●
- **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⁾; ●
- **PUR (Kingspan Spectrum)** - corrosivity category up to C4²⁾; ●
- **INOX** - corrosivity category up to C5²⁾; ●

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.

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

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)	Polyester (PES) – 25µm	R9010	R9002	R7035	R9006
		R9007	R7016		
	The colors are only illustrative in nature and may differ from the actual ones.				
	Standard interior colors for KS1000 RH panels are R9010 PES and R9002 PEI (dedicated for the inside of the panel) .				
Kingspan Premium Metallic	Silver	Grey Aluminium	Grey Rock	Dark Sky	
	Arcadia	Turmalin	Sechura	The colors are only illustrative in nature and may differ from the actual ones	

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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