

Insulated Roof and Wall panel systems

Product selector



POWERED BY
QuadCore
TECHNOLOGY

Now available for selected products:
QuadCore™ Technology the new core insulation technology


Kingspan
Insulated Panels

Kingspan Colors and Profiles

Standard colors

Polyester (PES) - 25µm

						
Pure White RAL 9010	Grey White RAL 9002	Light Grey RAL 7035	White Aluminum RAL 9006	Grey Aluminium RAL 9007	Light Ivory RAL 1015	Fire Red RAL 3000
						
Copper Brown RAL 8004	Oxide Red RAL 3009	Gentian Blue RAL 5010	Chrome Oxide RAL 6020	Anthracite Gray RAL 7016	Sepia RAL 8014	Reseda Green RAL 6011

Colors available for all elements, unless otherwise indicated, except X-Dek. RAL 9010 for X-Dek on the.

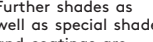
Inside

Premium Metallic*

						
Silver	Grey aluminium	Arcadia	Turmalin	Greyrock	Darksky	Sechura

* AWP, AWP flex; for other products on request

Effect panels**

						
Wood look English Walnut	Wood look Natural Oak	Wood look Ginger Oak	Wood look Sandy Oak	RT - 35µm	Anthrazit	Terracotta

** AWP

Coating DU 15 µm in RAL 9002, 25 µm in RAL 9002/9010 for an additional charge.

Further shades as well as special shades and coatings are available on request. Hue deviations to the color chart are due to printing technology.

Semi - Standard colors

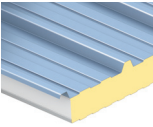
Spectrum (PUR) - 50µm, up to 30 year Guaranty

						
Pure White RAL 9010	Grey White RAL 9002	White aluminium RAL 9006	Grey aluminium RAL 9007	Oxide Red RAL 3009	Gentian blue RAL 5010	Anthracite Grey RAL 7016

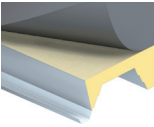
For all panels except X-Dek.

Roof Elements

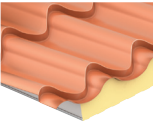
RW Trapezoidal



X-Dek
Flat roof system



RT Rooftile look



FF Trapezoidal



Polycarbonat Roof-Lite
Daylight panels



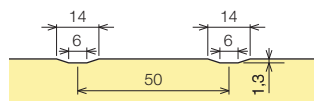
Wall Elements

Outer layers

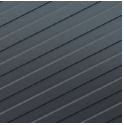
B (box)



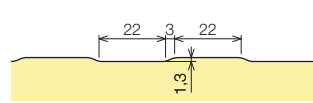
AWP, NF/NC, TF, FH, FR, FA



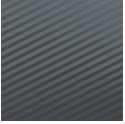
Q (minibox)



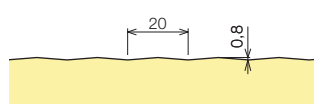
AWP, NF/NC, TF, FH, FR, FA



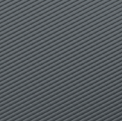
M (micro)



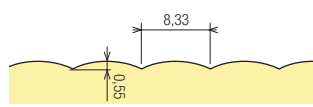
AWP, NF/NC, TF, FH, FR



N (minimicro)^



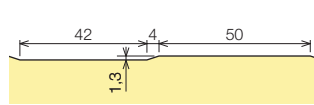
AWP



E (euro)



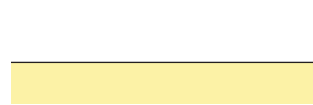
AWP, NF/NC, TF, FH, FR



F (flat)^



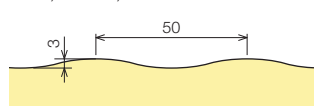
FR, FH, WL



W (wave)



AWP, NF/NC, TF

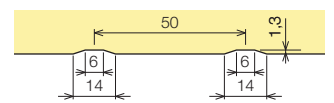


Inner layers

B (box)



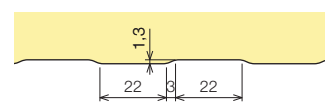
AWP, TF, TL, FR, FH, FF, NF, NC



Q (minibox)



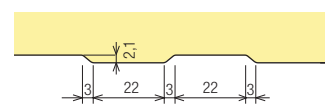
AWP, TF, TL, RT, RW, FR, FH, NF, NC



D (deep minibox)



AWP, NF/NC, TF/TC



^ On demand

^^ Sheet thickness 0,7mm

For flat top layers, please contact your Kingspan representative.

Roof Elements

KS1000

RW

- IPN insulation core
- Trapezoidal profile
- Visibly fastened

FM

APPROVED

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QuadCore

TECHNOLOGY

KS1000

RT⁺

- IPN insulation core
- Roof tile optics

FM

APPROVED

KS1000

X-Dek

- IPN insulation core

FM

APPROVED

KS1000

FF

- Mineral wool core
- Trapezoidal profile
- Visibly fastened

KS1000

Day-Lite

Rooflight PC 20

- Polycarbonate
- Trapezoidal profile

KS1000

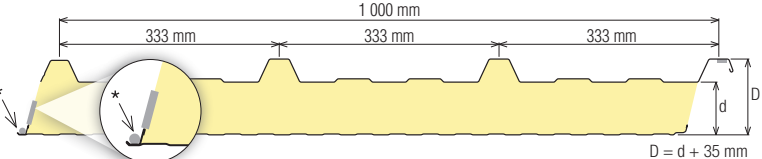
Day-Lite

Rooflight PC 40

Doubleskin

- Polycarbonate
- Trapezoidal profile

Profiling Outside: trapezoidal profile 35/333



Profiling inside: Q (minibox)

Condensed water-repellent sealing tape in the longitudinal impact at the factory. PVC sealing tape in overlapping impact on the factory side.

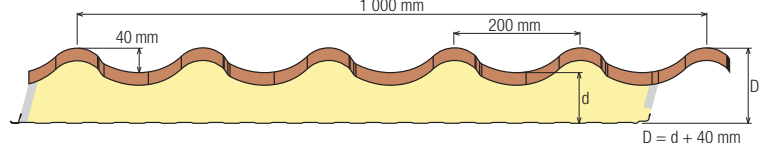
Maximum delivery length: 22.50 m

Cutback standard: 20 mm

*With additional Sealing tape on site

Longitudinal joint	Application	U (W/m²K) Classification of the U-values according to DIN EN 14509 incl. joints losses	d (mm)	R _w (dB)	Classifi- cation DIN 4102-1 resp. EN 13501-1	Fire behavior		Classifi- cation accord. to VKF	Load (kg/m²)	
						Fire resistance class EN 13501-2				
	Minimum pitch 4° (7 %)  6° (10 %) 	0,745	25	24	B1 B-s1, d0		REI 30* * With additional sealing tape	Fire index 5.3	9,34	
		0,505	40						9,94	
		0,334	60						10,74	
		0,254	80	25		11,54				
		0,206	100			12,34				
		0,172	120			13,14				
		0,131	160			14,74				
		50 mm and 70 mm on request								

Profiling Outside: roof tile profiling

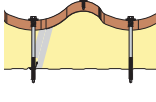


Inner layer: Q (Minibox)

Maximum delivery length: 12.50 m

Cutting standard: 150 mm

+ Sealing tape in overlapping belt required.

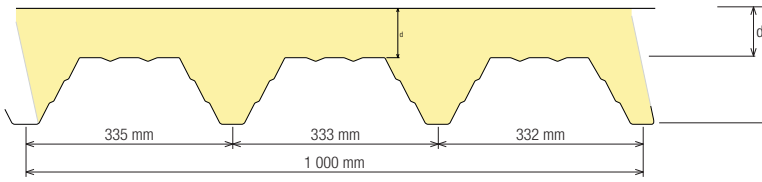
	Minimum pitch 12° (21 %)	0,380	60	25	B1 B-s1, d0		Fire index 5.3	11,30
		0,230	100					13,10
		0,141	160					15,80

Material surfaces: XD - organic coated steel S220 GD + Z

XB - bitumen impregnated non-woven laminate TR 20, Suitable for bitumen

XG - glass fleece lamination TR27, suitable for PVC, EPDM

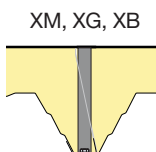
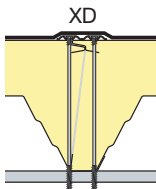
XM - Thermoplastic PVC-P sealing strip pre-glued on the factory side



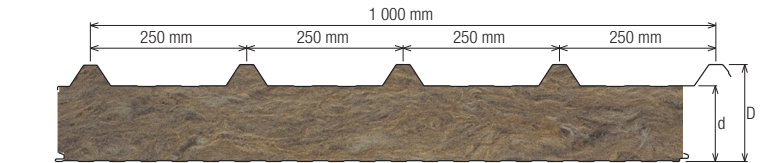
Profiling inside: trapezoidal profile 108/333

Maximum delivery length: 15.00 m

Cutback standard: 50 mm

	Minimum pitch 0,5° (1 %) 	0,230 (XM, XG, XB)	80	23 (XM)	B1 B-s2, d0	REI 15 (XB, XG)	Fire index 5.3	14,80 (XB, XG)		
		0,240 (XD)		26 (XB, XG)				15,80 (XM)		
0,190 (XM, XG, XB)		100	23 (XM)	REI 30 (XD, XM)				19,95 (XD)		
0,200 (XD)			26 (XB, XG)					15,65 (XB, XG)		
									27 (XD)	16,67 (XM)
									27 (XD)	20,75 (XD)

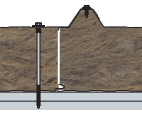
Profiling Outside: trapezoidal profile 34/250



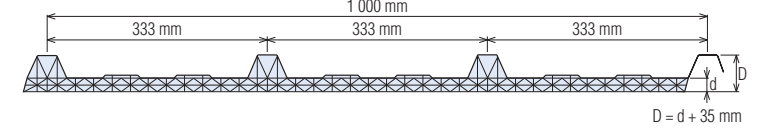
Internal outer layer: Q (minibox), B (box)

Maximum delivery length: 14,20 m

(60 mm insulation core, maximum delivery length: 7.00 m)

	Minimum pitch 5° (8,5 %) 8° (14 %)	0,673	60	32	A2 A2-s1, d0	REI 90	n. A.	17,84	
		0,516	80					20,44	
		0,410	100					23,04	
		0,350	120			REI 120		25,64	
		0,280	150					29,54	
		0,240	175					32,79	
		0,210	200	33				36,04	

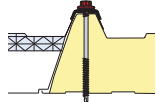
Profiling Outside: trapezoidal profile 35/333



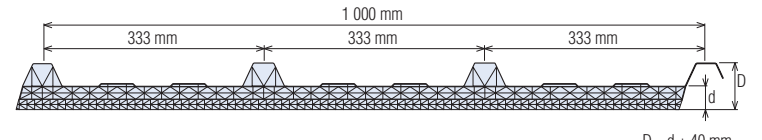
Plastic spacers for KS1000 RW elements

Maximum delivery length: 8.00 m

Cutback standard: 175 mm

	Minimum pitch 7° (12 %)	2,000	20	n. A.	B2		n. A.	3,30

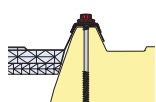
Profiling Outside: trapezoidal profile 35/333



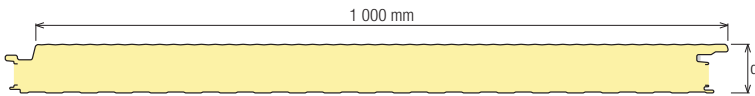
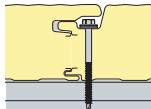
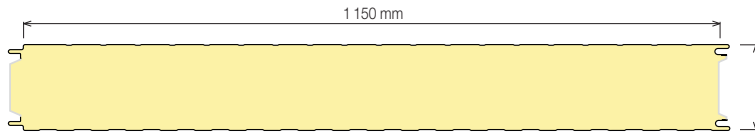
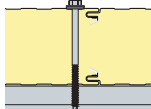
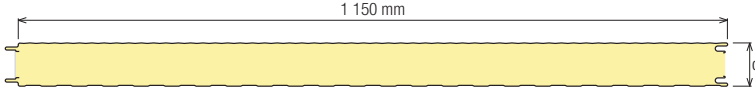
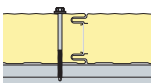
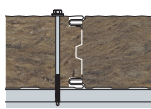
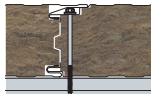
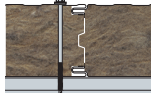
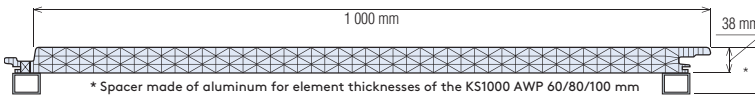
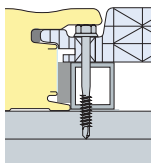
Plastic spacers for KS1000 RW elements

Maximum delivery length: 8.00 m

Cutback standard: 175 mm

	Minimum pitch 7° (12 %)	1,090	40	n. A.	B2		n. A.	6,10

Wall Elements

Wall Elements			Longitudinal joint	Application	U (W/m²K) Classification of the U-values according to DIN EN 14509 incl. joints losses IPN3	QuadCore	d (mm)	R _w (dB)	Fire behavior			Load (kg/m²)
									Classification according to DIN 4102-1 bzw. EN 13501-1	Fire resistance according to EN 13501-2	Classifi- cation according to VKF	
KS1000 AWP • IPN insulation core • Concealed fastening  	Profiling outer side: Q (minibox), B (box), M (micro), E (euro), W (wave), N (minimicro) [^] , F (flat) ^{^^}  Profiling inner side: D (deep minibox), Q (minibox), B (box), F (flat)** Maximum delivery length: 18 m [^] On demand ^{^^} Sheet thickness 0,7 mm		Vertical or horizontal laying	0,469	50	25	B1 B-s1, d0		BKZ 5.3	10,77		
				0,383	60					11,17		
				0,326	70					11,74		
				0,284	0,23	80				26	11,97	
				0,226	0,18	100					12,77	
				0,187	0,15	120					13,57	
				0,151	0,12	150					14,77	
				0,133	0,11	170					15,57	
KS AWPflex	NEW! AWPflex-System - Module widths of panels: 600, 750 and 900 mm, surface polyester or spectrum. Only with MiniMicro and Micro Profiling. Available in all standard colors. For further information please contact the technical department.											
KS1150 NF / NC[^] • IPN insulation core • Visibly fastened  	Profiling outer side: Q (minibox), B (box), M (micro), E (euro), W (wave)  Profiling inner side: D (deep minibox), Q (minibox), B (box) Maximum delivery length: 18 m [^] Delivery without factory sealing tape		Vertical or horizontal laying	0,222	0,18	100	25	B1 B-s1, d0	EI 20	In proces- sing	12,39	
				0,185	0,15	120					26	13,17
				0,149	0,12	150	27					14,34
				0,131	0,11	170						15,12
				0,112	0,09	200	16,29					
KS1150 TF / TC • IPN insulation core • Visibly fastened  	Profiling outer side: Q (minibox), B (box), M (micro), E (euro), W (wave)  Profiling inner side: D (deep minibox), Q (minibox), B (box) Maximum delivery length: 18 m		Vertical or horizontal laying	0,595		40	24	B1 B-s1, d0		BKZ 5.3	10,09	
				0,370		60					25	10,89
				0,277	0,23	80	11,69					
KS1150 FR • Mineral wool insulation • Fire protection element • Visibly fastened	Profiling outer side: Q (minibox), B (box), M (micro), F (flat), (60 mm B, F), E (euro)  Profiling inner side: Q (minibox), B (box), (60 mm B, F), F (flat) Maximum delivery length: 14.2 m (60 mm insulation core, maximum delivery length: 7.00 m)		Vertical or horizontal laying	0,670		60	31	A2 A2-s1, d0	EI 30	n. A.	16,85	
				0,520		80					19,25	
				0,410		100	32		EI 90* / EI 120* * With additional sealing tape		20,66	
				0,350		120					22,86	
				0,280		150					26,16	
				0,240		175					28,91	
				0,210		200					31,66	
KS1000 FH • Mineral wool insulation • Fire protection element • Concealed fastening	Profiling outer side: Q (minibox), B (box), M (micro), F (flat), (60 mm B, F), E (euro),  Profiling inner side: Q (minibox), B (box), F (flat) Maximum delivery length: 14.20 m (60 mm insulation core, Maximum delivery length: 7.00 m)		Vertical or horizontal laying	0,700		60	31	A2 A2-s1, d0		n. A.	17,27	
				0,530		80					19,67	
				0,420		100	32		EI 60 (i→o), EI 120 – ef (o→i)		21,08	
				0,350		120					23,28	
				0,280		150					26,58	
KS1150 FA • Mineral wool insulation • Visibly fastened	Profiling outer side: Q (minibox), B (box), F (flat)  Profiling inner side: acoustic perforation Maximum delivery length: 6.00 m		Vertical or horizontal laying	0,700		60	34			n.A	15,80	
				0,530		80					18,20	
				0,430		100					20,60	
				0,352		120	35				22,90	
				0,283		150					26,50	
KS1000 Day-Lite Wall-Lite WL38 • Polycarbonate • Concealed fastening	Profiling outer side: F (flat)  * Spacer made of aluminum for element thicknesses of the KS1000 AWP 60/80/100 mm Profiling inner side: F (flat) Maximum delivery length: 8.00 m		Vertical or horizontal laying	1,260	38	n. A.	B2			6,9		

^{^^} After consultation.

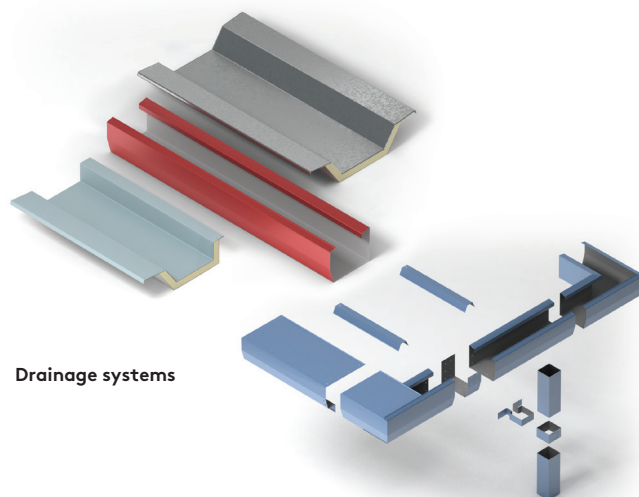
REI: R=Load capacity, E=Room closure, I=Thermal insulation, BKZ=Fire index, n.A. not tested.

The information given in this brochure is only valid as an assured property insofar as it is expressly confirmed in writing by us in writing. Reserve technical changes. Stand 04/2017.

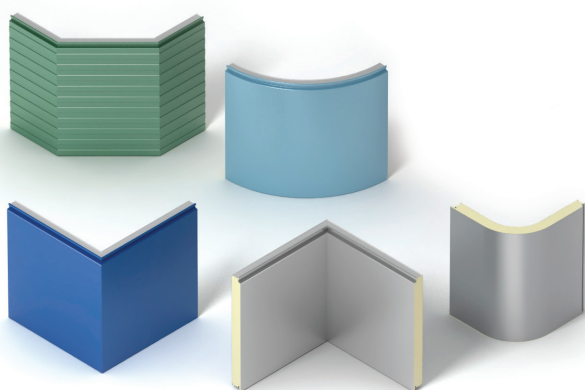
Accessory components



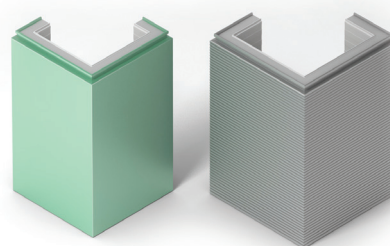
Ventilation Grille



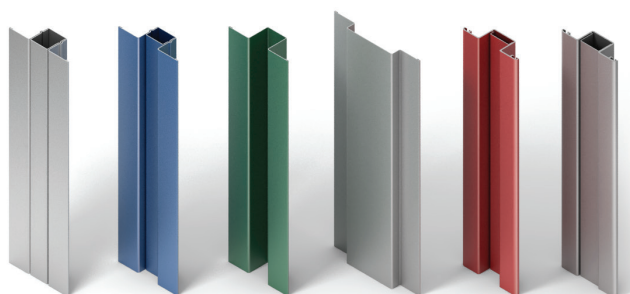
Drainage systems



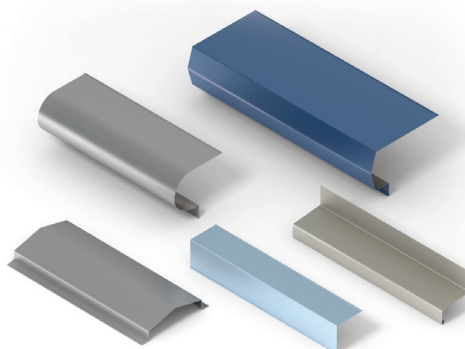
Prefabricated corner elements



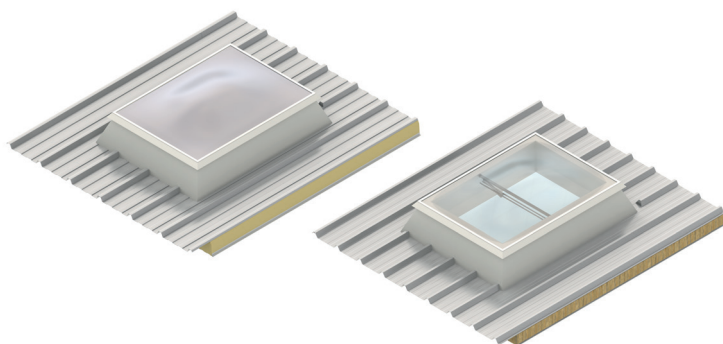
Veneering elements



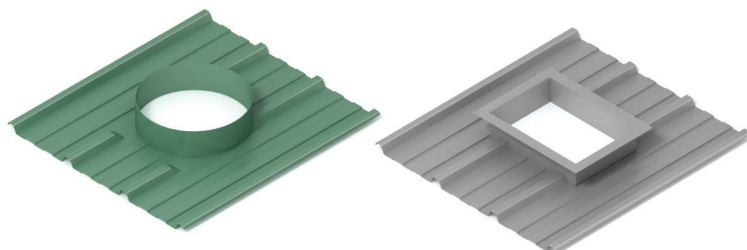
Top hats, capping, coverings



Flashings for roof and wall elements



Prefabricated light domes



Roof penetrations