

Kingspan

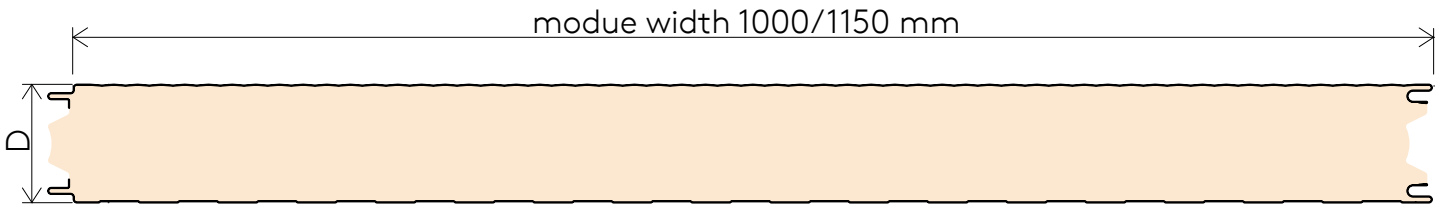
KS1150 TL

Product Data Sheet

Facade system with visible fix and IPN insulation core



Cross section

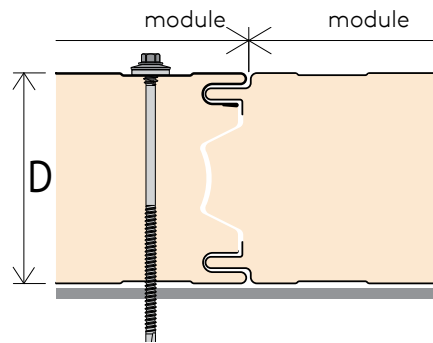


Application

Wall insulation panel KS1150 TL with excellent thermal insulation properties and high fire resistance. You can choose to place these panels vertically or horizontally. Panels are suitable for all types of buildings. Panels are particularly suitable for building envelope with fire resistance requirements up to EW 60 / EI 30.

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

Joint detail



Technical details

Product	Module [mm]	Insulation core thickness D [mm]	Weight [kg/m ²] Thickness of steel facings ext./int. 0,5 mm / 0,5 mm	Panel lengths [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 _{AS0} [m ³ /m ² h ⁴]	Fire parameters		
				Min. ⁽¹⁾	Max.					Reaction to fire	Fire resistance ⁽²⁾	
											H horizontal	V vertical
KS1150 TL	1150 ³⁾	100	11,67	2,9	15,0	11	25	≤ 0,5	B-s1, d0	EI 30 - 4,0 m EI 20 - 7,5 m	EI 15 - 4,0 m	
		120	12,27	2,5		9					EI 30 - 4,0 m EI 20 - 7,5 m	
		150	13,17			7				EI 30 - 7,5 m	EI 30 - 7,5 m	
		170	13,77	6								
		200	14,67	5								

- 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) Panel available also in module width **1000 mm**.
 - 4) Based on PN-EN 12114:2003 standard.

Technical data

Profilations	Geometry - dimensions in [mm]	Exterior	Interior
M (Micro)		■	
Q (Minibox)		■	■
D (Deep)			■
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;
- austenitic stainless steel type 1.4301 according to EN 10 088;
- **Insulation core:** - insulation core IPN closed-cell foam;

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⁾; ●
- **Plastizol PVC(P) (Kingspan XL2)** - corrosivity category up to C5-I; ●
- **INOX** - corrosivity category up to C5²⁾; ■
- **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; ■
- **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⁾; ●
- **Plastizol PVC(P) (Kingspan XL2)** - corrosivity category up to C5-I; ●
- **FoodSafe PVC(F) (Kingspan FoodSafe)** - corrosivity category up to C5-I; ■
- **INOX** - corrosivity category up to C5²⁾; ■
- **PUR (Kingspan Spectrum)** - corrosivity category up to C4²⁾; ●

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

KS1150 TL sandwich panels are manufactured in accordance with the EN 14 509 and CE marked.

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.

KINGSPAN STANDARD COLORS - EXTERIOR SIDE

Exterior coat types (for galvanized steel)	Polyester (PES) – 25µm	R9010	R9002	R7035	R9006
		R9007	R1015	R7016	
The colors are only illustrative in nature and may differ from the actual ones.					
Standard interior colors for KS1150 TL panels are R9010 PES, R9002 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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