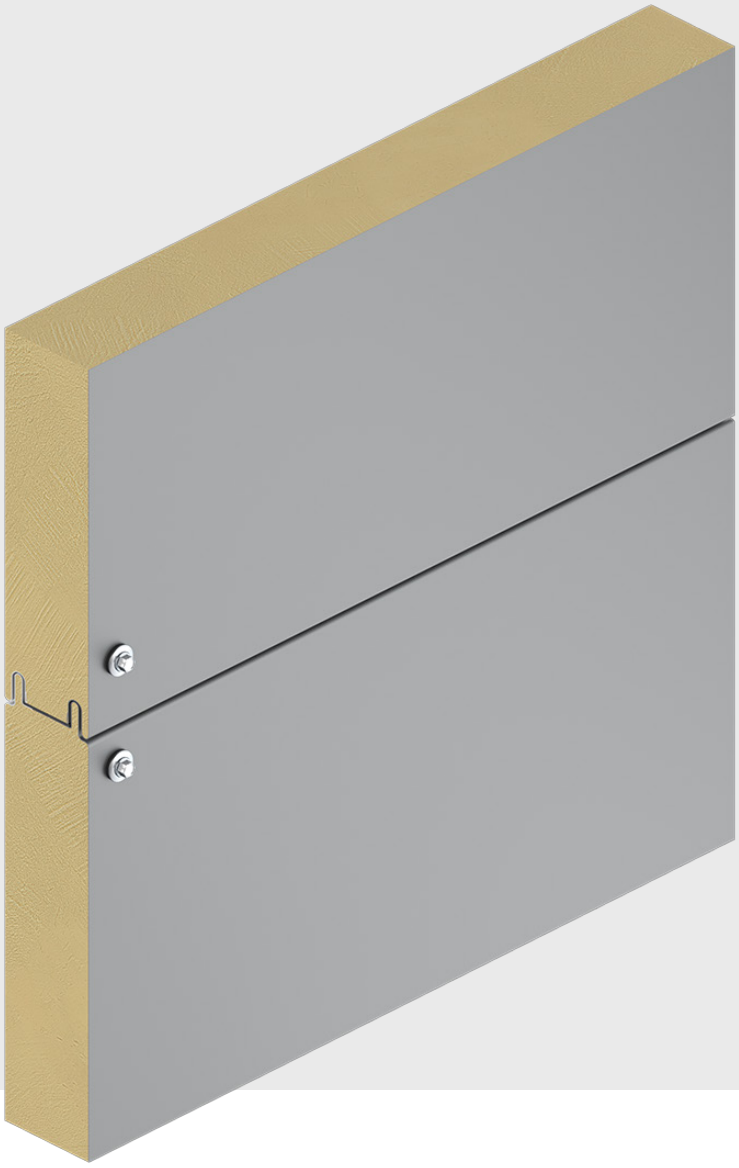
Insulated Panels
CEME Division

KS TF Wall Panel
Product Data Sheet

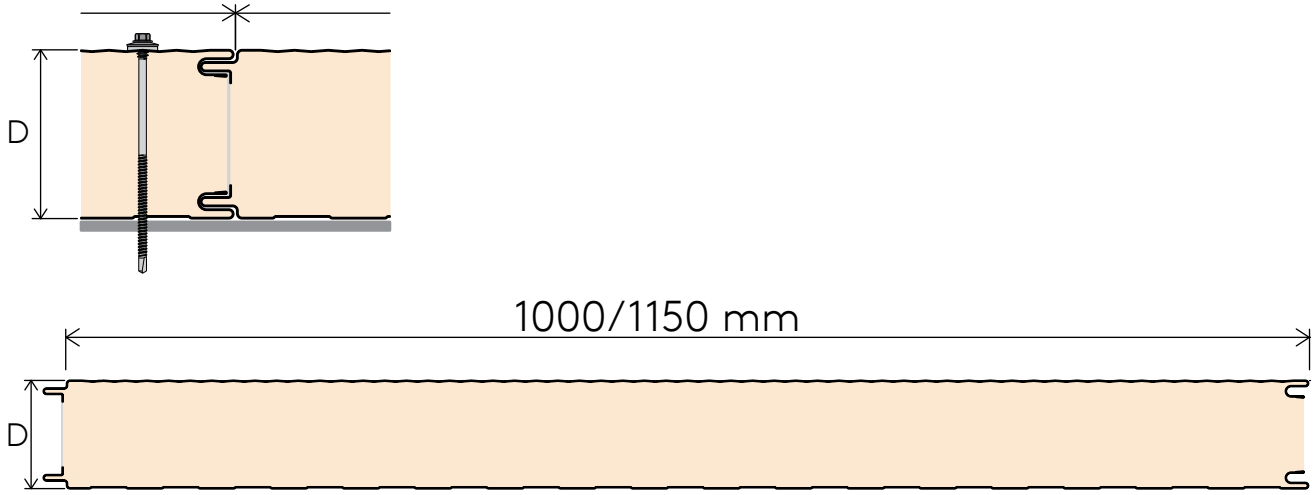


Application

The KS TF Wall Panel is an insulated wall panel with visible fixing that can be placed both horizontally and vertically. The product can be used as the external facade of buildings, or as a partition wall, as a false ceiling, or as a simple covering.

There is a vapor barrier factory side tape in the joints of the panel. The panel is an excellent economical solution for durable building envelopes with low thermal insulation requirements.

Panel Cross Section



Technical Parameters

KS TF Wall Panel has been tested and approved to comply with EN 14509:2013.

Module width/Cover width [mm]	Core Thickness [mm]	Mass [kg/m²]	Thermal Transmittance (U-value) acc. EN 14509:2013 [W/m²·K]	Airborne Sound Insulation $R_w(C;C_{tr})$	Weighted Sound Absorption Coefficient [α_w]	GWP for modules A1-A3 [kg CO2-eq./m²]	GWP for modules A-C [kg CO2-eq./m²]
1,150/1,150	40	9.13	0.550	NPD	NPD	27.9	36.2
	60	9.87	0.370	NPD	NPD	29.5	39.3
	80	10.61	0.280	NPD	NPD	32.9	44.4

The technical data is valid for a face thickness of Ext / Int. 0.50 / 0.40 mm and a module width of 1,150 mm .

Fire Performance

KS TF Wall Panel has been tested and approved to comply with EN 14509:2013.

Product technical specifications relating to fire classification are available from Kingspan Technical Support.

Module width/Cover width [mm]	Core Thickness [mm]	Reaction to Fire	Fire Resistance - External Wall - Horizontal	Fire Resistance - External Wall - Vertical
1,150/1,150	40	B-s2, d0	NPD	NPD
	60	B-s2, d0	NPD	• E 15 (o↔i) / EI 15 (o↔i) / EW 15 (o↔i) - 4m
	80	B-s2, d0	NPD	• E 15 (o↔i) / EI 15 (o↔i) / EW 15 (o↔i) - 4m

[1] See details in technical guide and assembly conditions.
[3] Class is not defined in standard EN 13501-2 for this application, but the product meets its criteria.

Dimensions

Length

Shorter lengths (non-standard) [mm]	500-1999
Standard lengths [mm]	2000-13000
Longer lengths (non-standard)	

Additional costs and transport restrictions may apply for non-standard lengths.

Width

Available panel width: 1,000 mm, 1,150 mm

Product Tolerances

Product tolerances are measured according to the standard EN 14509:2013.

Length tolerance	L≤3m, -	5 mm
Length tolerance	L≤3m, +	5 mm
Length tolerance	L>3m, -	10 mm
Length tolerance	L>3m, +	10 mm
Cover width tolerance	-	2 mm
Cover width tolerance	+	2 mm
Thickness tolerance	-	2 mm
Thickness tolerance	+	2 mm
Thickness tolerance	D>100mm, -	2 %
Thickness tolerance	D>100mm, +	2 %
Deviation from squareness		0.006 x w
Deviation from straightness (on length)		1mm/m, maximum 5 mm/m

Materials

Insulation Core

Polyisocyanurate (IPN) insulation core with a Thermal Conductivity (λ) of 0.022 W/m·K according to EN 14509:2013 (MSZ EN 14509:2014).

External facing

The standard thickness of the coil coated steel sheet is 0.5 mm.

On request also other steel sheet thicknesses are available.

Standard coating: Spectrum®, PVDF, PES25, FoodSafe

Internal facing

The standard thickness of the coil coated steel sheet is 0.4 mm.

On request also other steel sheet thicknesses are available.

Standard coating: PEI15, FoodSafe

Seals

Factory applied side joint seals. All side joints have a factory applied seal fitted into the groove to automatically seal the joint between panels.

Panels intended for external walls are usually delivered with an on the production line installed sealant in internal and external grooves.

Panels for high or vertically installed facades always have to be provided with sealant in both grooves of the joint.

Profiles

The available profiles can be found in the corresponding profile table.

Colours

The available colours can be found in the "Colour Guide" brochure.

Mechanical Resistance

For load / span tables, please contact Kingspan Technical Support.

Environmental Performance

Facilities located in Ujhartyan generate renewable energy onsite which contributes to that sites energy mix.

Kingspan Insulated Panels source steel with 15-25% recycled content.

Kingspan Insulated Panels directly contribute to BREEAM® and LEED® credits.

Production Standard

Kingspan Insulated Panels apply to the European Standard EN 14509:2013 Self-supporting double skin metal faced insulating panels.

Quality

Kingspan Insulated 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 Quality management systems standards as well as ISO 37301:2021 Compliance management systems standards, ensuring long term reliability and service life.

The panels are also being manufactured under Environmental management system certification EN ISO 14001:2015, Energy management system certification EN ISO 50001:2018 and Occupational health and safety certification EN ISO 45001:2018.

KS TF Wall Panel is CE marked to EN 14509:2013.

Packing

Standard Packing - Road Transportation

Kingspan Insulated Panels are stacked weather side to internal side. The top, bottom, sides and ends are protected with foam and timber packing and the entire palette is wrapped with protection film.

The number of panels in a pack depends on panel thickness and length. Quantities are reduced for exceptionally long panels.

Core Thickness [mm]	40	60	80
Number of Panels	16	14	13

Delivery

All deliveries are by road transport to a project site unless otherwise indicated. Unloading is the responsibility of the customer.

Sea Freight

Full timber crate packs are available at extra cost for projects requiring sea freight delivery. Alternatively steel containers can be used. Special loading charges apply.

Site Storage & Installation

For site storage and installation instructions please refer to the respective brochure or contact Kingspan Technical Support.

Warranty

Kingspan warranties are assessed individually for each project, depending in particular on the aggressiveness of the environment and the type of surface treatment chosen.

Profiles

Profile	External	Internal
F - Flat		
M - Micro		
Q - Minibox		

Contact Details

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Scan the QR code or click here for the latest version of the document.

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