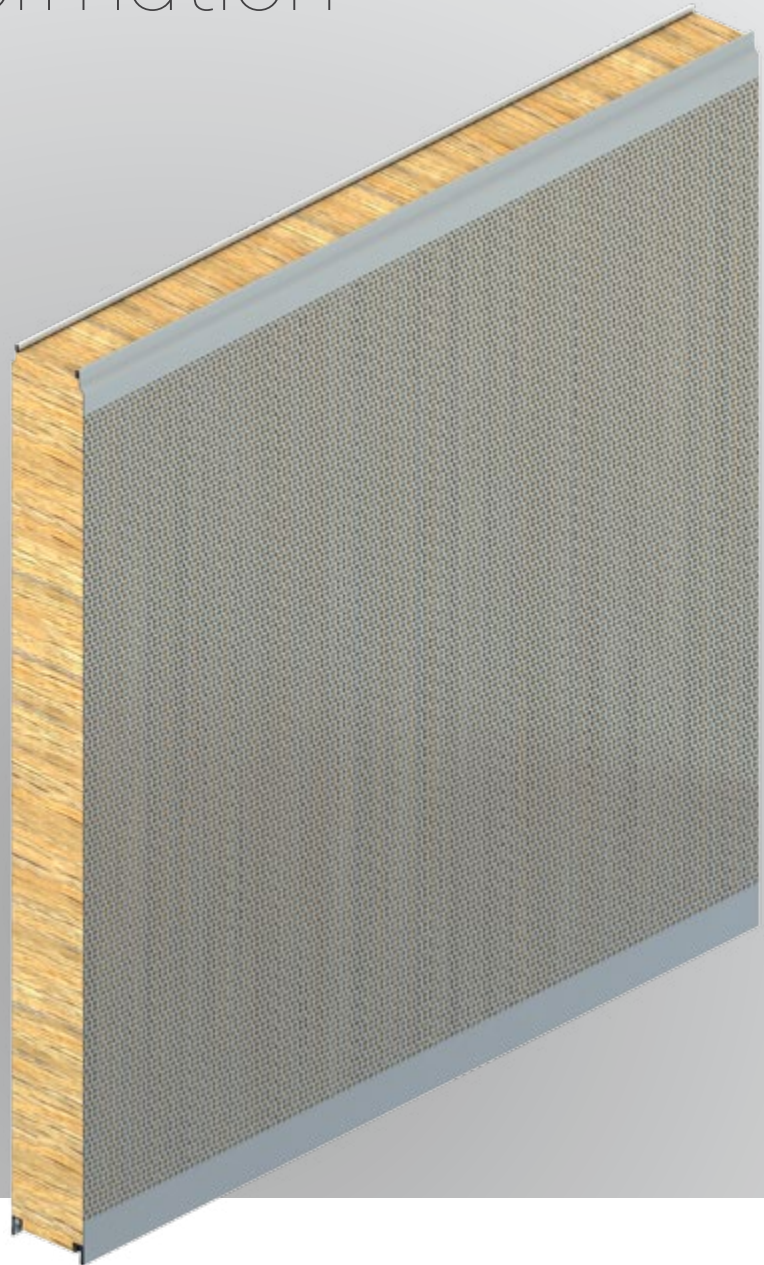


Insulated roof and wall systems
Hoesch®

Hoesch® isorock HP Acoustic

Product information



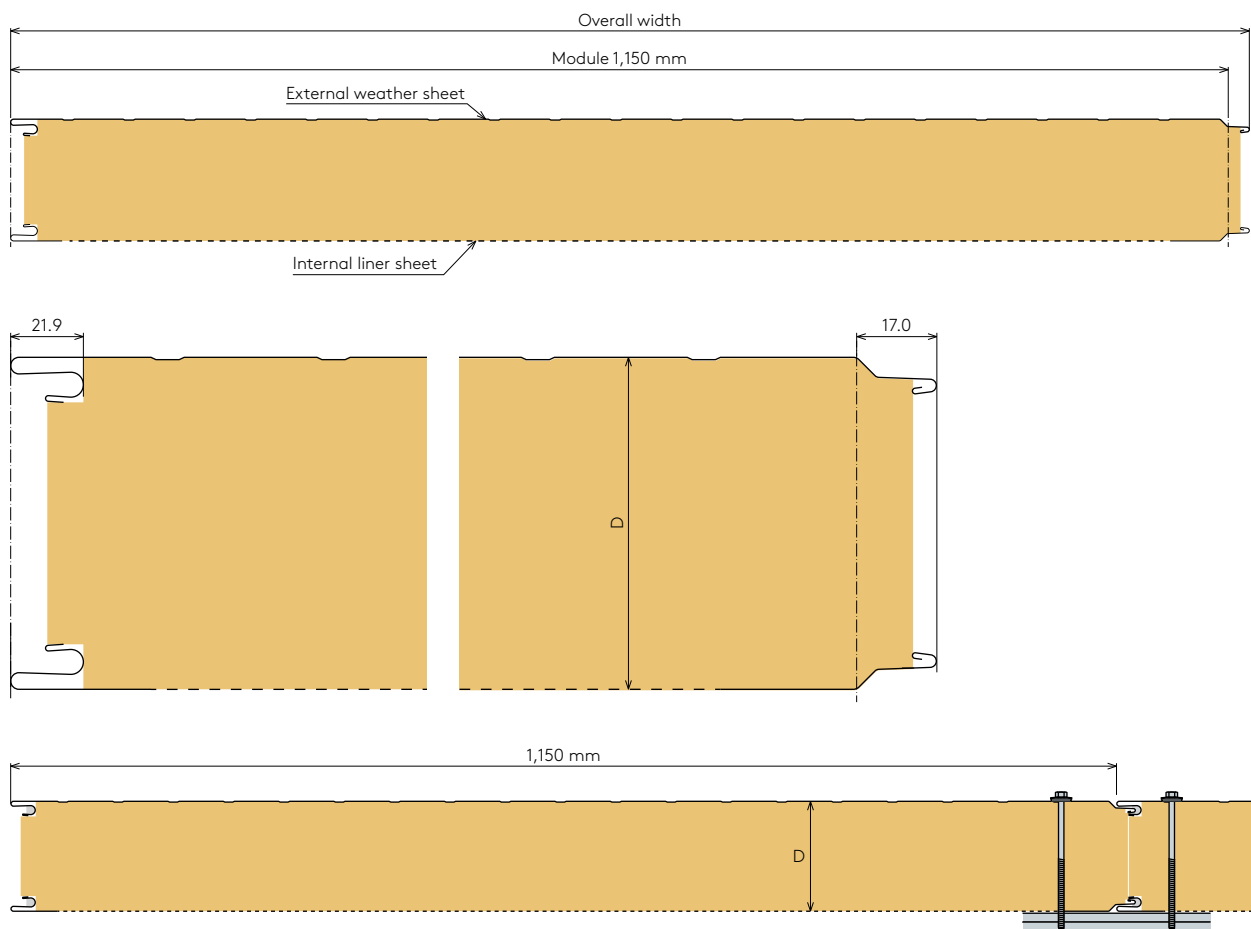
Technical Information

Description

The Hoesch® isorock HP Acoustic is a visibly screwed element with K-Roc® mineral wool insulation core and perforated inner cover layer. It is used as a partition wall for INTERNAL applications. Due to the perforated inner face layer, the acoustic behaviour in rooms is significantly improved. The sandwich elements can be laid vertically or horizontally.

Application

- Especially for acoustic insulation and sound absorption applications
- Element thicknesses available from 80–150 mm
- Available in 1,000, 1,150 and 1,200 mm widths



Dimensions, Dead load & Insulation performance

Module [mm]	1,150			
Element thickness [mm]	80	100	120	150
Dead load [kg/m ²] Type S1	17.2	19.5	21.8	25.3
U [W/m ² K] acc. to EN ISO 6946-2 Type S1 (λ _D = 0.045 [W/mK])	0.52	0.42	0.36	0.29
R _w [dB]	35			
Standard/Max. production length [m]	5.00/9.00	6.00/15.00	7.00/15.00	8.00/15.00

Insulation core

K-Roc® Mineral wool

Sealing tapes

The Hoesch® isorock HP Acoustic is fitted in the factory with a sealing tape, that seals against convection and condensation water.

Fire protection

In terms of reaction to fire, Hoesch® isorock HP Acoustic has been tested according to national technical regulations and standards.

Reaction to fire

A2-s1,d0 according to EN 13501-1

Fire resistance

The current fire resistance classes can be found on the Internet at: www.hoesch-bau.com

Tolerances

All materials used comply with the technical regulations and standards. Limit dimensions correspond to the tolerance dimensions of DIN EN 14509 – Appendix D.

Steel

Substrate

Surface-treated steel with a Z275 zinc layer as per DIN EN 10346 for the Polyester, Spectrum™, PVDF coating systems.

Steel sheet thicknesses

External (t_{nom1}) [mm]	Internal (t_{nom2}) [mm]
0,50	0,60

Technical regulation

The product fulfils the requirements of the European sandwich standard EN 14509:2013 Self-supporting doubleskin metal-faced insulating panels – Factory made products – Specifications.

Quality

Kingspan insulated roof & wall systems are manufactured from high quality raw materials under constant quality control in state-of-the-art production facilities. They meet the requirements of ISO 9001:2015 and EN ISO 14001:2015.

Warranty

Kingspan offers a project-specific warranty on the organic coatings.

Packaging & transport

The values listed in the table are to be taken as guideline. The values are reduced for exceptionally long delivery lengths. The maximum package height is 1,100 mm. The values in the table relate to element lengths of 8 m.

The maximum weight is approx. 3,000 kg.

Element thickness [mm]	80	100	120	150
Number of elements per package	15	12	9/10	7/8

Delivery

Elements are delivered directly to the construction site using HGVs, unless something different is agreed. The customer or installer is responsible for unloading, and this must be ensured by the customer.

Installation

When laying the elements, the "Guideline for planning and implementing roof, wall, and ceiling constructions made from metal profiled sheeting" of the IFBS must be complied with.

Organic coating systems

External steel sheets

- Standard Polyester (25 µm) – PES
- Spectrum™ (50 µm)

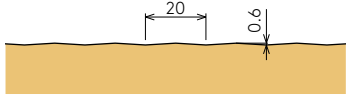

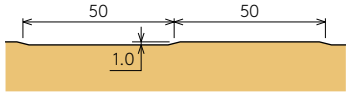

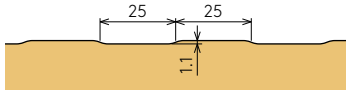




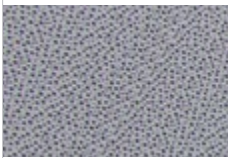
Internal steel sheets

- Thin film coating (15 µm) – DU (KID)
- Standard Polyester (25 µm) – PES
- Foodsafe (150 µm) – use in food processing operations and buildings with heightened hygienic requirements.

Other coating systems for the outer and inner top coat are available on request. Further information can be found in our brochure on Colors & Coatings brochure.

For details, please also contact the Kingspan-contact person.

Profiling

	Profiling		External	Internal
M (micro)			✓	
E (euro)			✓	
Q (minibox)			✓	
F (flat)			✓	
F (flat) perforated				✓

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