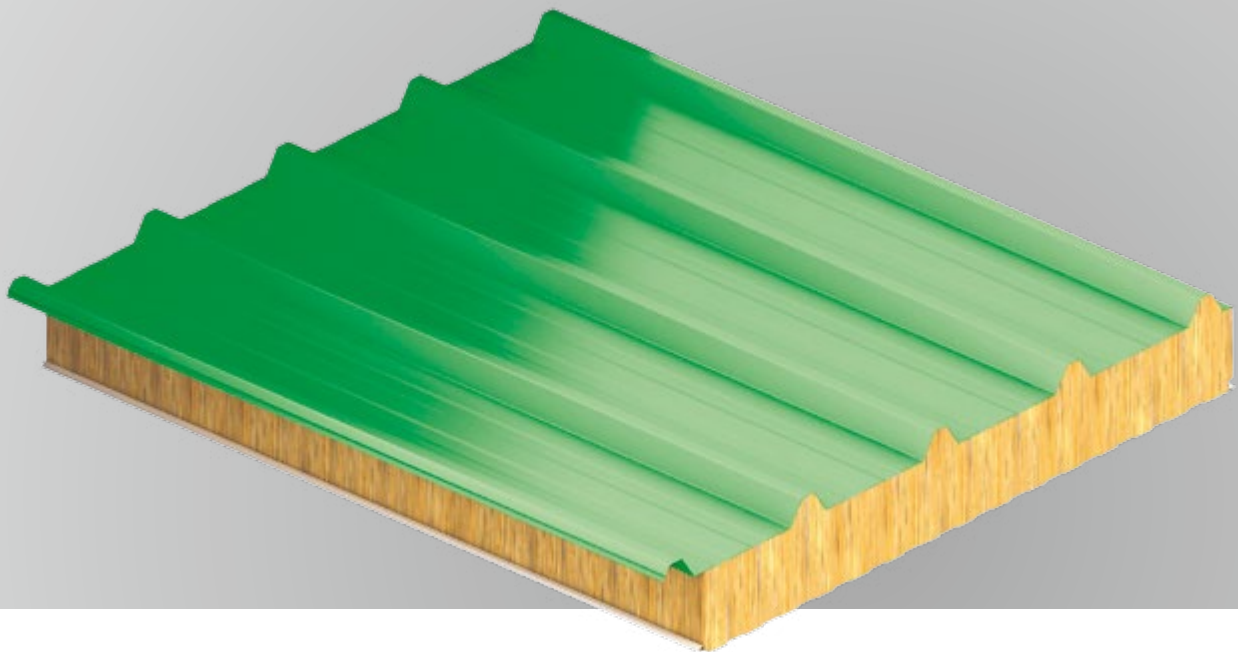


Insulated roof and wall systems  
Hoesch®

# Hoesch® Thermorock Dach

## Product information



# Technical Information

## Description

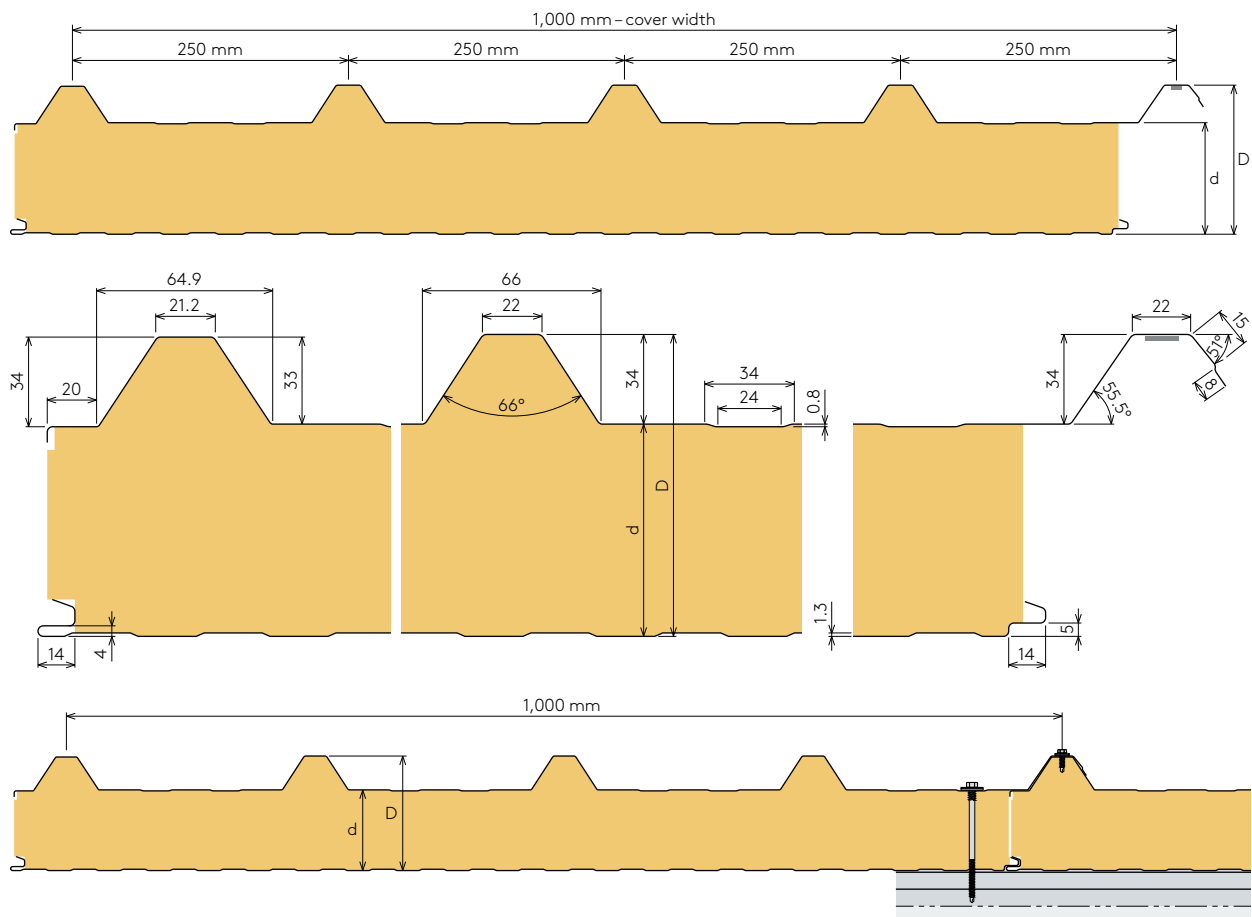
The Hoesch® Thermorock roof is a trapezoidal profiled panel system with K-Roc® mineral wool insulation core (A1 – non-combustible) and through-fixed fastening.

Suitable for all roofs with a pitch of:

- at least 5° (8.7 %) without the formation of transverse joints
- at least 8° (14.1 %) with transverse joints of transverse joints

## Application

- Quality product of the Hoesch® brand
- Excellent fire and sound protection
- Very good thermal insulation properties
- Element thicknesses up to 200 mm
- Compatible gutter and accessory parts available



## Dimensions, Dead load & Insulation performance

Module [mm]	1,000					
Element thickness d [mm] (D = d + 34)	80	100	120	150	175	200
Dead load [kg/m²]	20.5	22.9	25.3	28.9	31.9	32.8
U [W/m²K] acc. to EN 14509 incl. joint influence ( $\lambda_0 = 0.022$ [W/mK])	0.53	0.43	0.36	0.29	0.25	0.22
U [W/m²K] acc. to EN ISO 6946 ( $\lambda_0 = 0.022$ [W/mK])	0.49	0.40	0.34	0.27	0.24	0.21
R <sub>w</sub> [dB]	32					33
Standard/Max. production length [m]	13.00/13.00					

## Insulation core

K-Roc® Mineral wool

## Sealing tapes

Longitudinally and in the overlapping upper belt, the element is fitted in the factory with a high-quality sealing tape that seals against convection and condensation water.

## Fire protection

In terms of reaction to fire, Hoesch® Thermorock Dach has been tested according to national technical regulations and standards.

### Reaction to fire

A2-s1,d0

### Fire resistance

The current fire resistance classes can be found on the Internet at: [www.hoesch-bau.com](http://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]
0.60	0.50

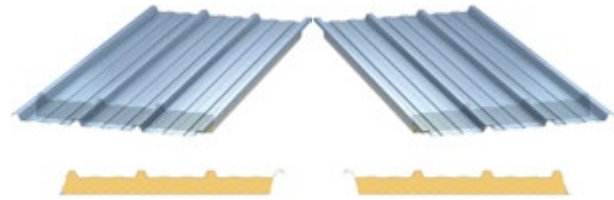
## Technical regulation

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

## Element back-cut\*/installation direction

For the transverse seams from panel to panel, or to light module, a back-cut (overlapping) should be provided. For this, a factory-performed back-cut can be provided.

The standard back-cut with foam-free area amounts to 20 mm, and back-cuts up to 300 mm are possible. For manufacturing, it is necessary to specify the installation orientation.



Element TYPE R

Element TYPE L

\* For more information on length and type of backcut please contact our specialist field service advisers.

## 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	175	200
Number of elements per package	10	8	8	6	5	4

## 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)

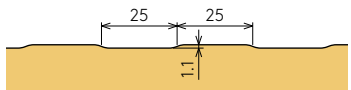

### Internal steel sheets

- 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	Internal
Q (minibox)		 ✓

### Hoesch®

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The individual specifications in this datasheet are guaranteed properties only if they are expressly confirmed as such in writing in each specific case. Subject to technical changes. Kingspan GmbH accepts no liability whatsoever.

For the latest product information, please visit our website: [www.hoesch-bau.com](http://www.hoesch-bau.com)

