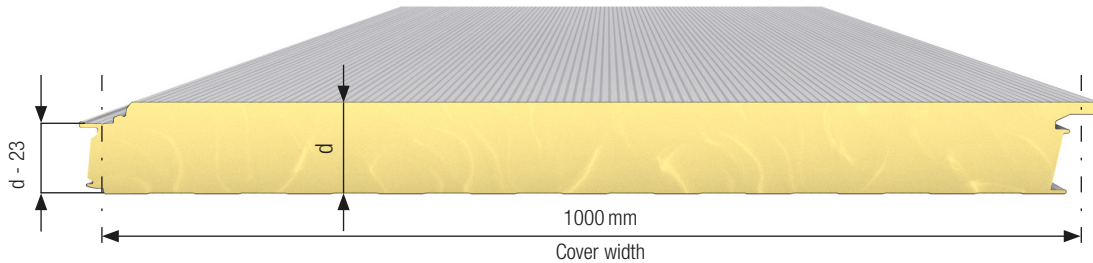


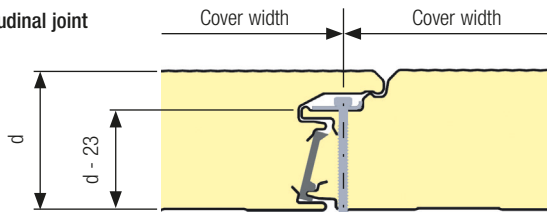
# HOESCH ISOWAND VARIO®

## TECHNICAL DATA

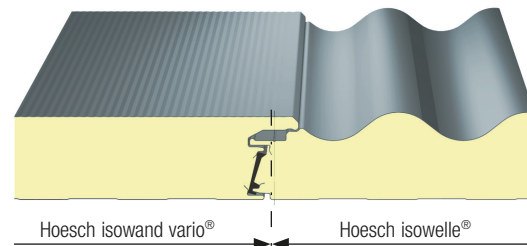
### Cross section



### Longitudinal joint



Fix using load distribution plate Z43-141, Z43-142 or screw with 19 mm washer as per structural requirements.



Hoesch isowelle® and Hoesch isowand vario® can be easily combined, due to their identical joint geometry.

Product	Element thickness d mm	Material thickness		Max. length supplied m	Weight kg/m <sup>2</sup>	Thermal resistance	Heat transition coefficient	Thermal resistance	Heat transition coefficient
		Outside t <sub>Na</sub> mm	Inside t <sub>Ni</sub> mm			In accordance with EN ISO 6946 R m <sup>2</sup> K/W	U W/(m <sup>2</sup> K)	In accordance with EN 13165 and EN 14509 with joint influence R m <sup>2</sup> K/W	U W/(m <sup>2</sup> K)
Hoesch isowand vario®	60*	0,60 0,75	0,50	20,0	12,1	2,81	0,34	2,80	0,42
					13,5				
	80				12,9	3,76	0,25	3,75	0,28
					14,3				
	100				13,6	4,71	0,21	4,70	0,22
					15,0				
	120				14,4	5,67	0,17	5,65	0,18
					15,8				
	140				15,1	6,62	0,15	6,60	0,16
					16,5				

**Note:** \* Element thickness on request

EN standards need to be applied in the legally valid form specific to each country.

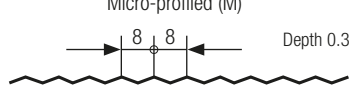

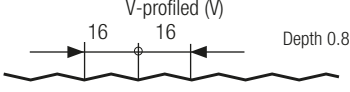
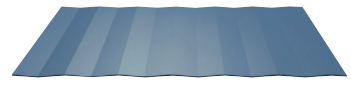
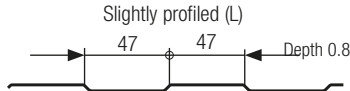


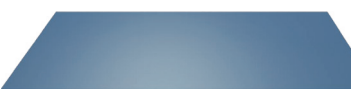
The data above shows what is technically possible.

To see the range of product versions which can be delivered, please visit the website [www.hoesch-bau.com](http://www.hoesch-bau.com) or contact your complete sales partner.

Bei For colour groups II and III the outer sheet must be 0.60 mm or 0.75 mm thick depending on the exact product specification requirements.

# HOESCH ISOWAND VARIO®

## TECHNICAL DATA

Cover sheet profiling	Outer sheet	Inner sheet	
Micro-profiled (M)  Depth 0.3	■		
V-profiled (V)  Depth 0.8	■		
Slightly profiled (L)  Depth 0.8	■		
Flat (E) 	●	■	

Nominal dimensions in mm, tolerances in accordance with works specifications.

■ available ● on request

**Lengths supplied:** 2 m to 20 m (lengths below 2 m on request)

**Packaging:** Standard packaging according to works specification; special packaging on request

**Material:** Cover sheets:  
Quality flat steel S280 GD (S320 GD and S350 GD on request) with metallic coating in accordance with EN 10326. Surface finish using various coating systems and multiple layers e.g. of the Evoshine® brand. Special coating systems and alternative cover sheets for special applications on request. (Minimum quantity 600 m<sup>2</sup>)

Insulation core:  
Polyisocyanurat rigid foam (PIR) with a nominal density of 39 kg/m<sup>3</sup>.

**Building material classification:** B-s1, d0 (for all applications) in accordance with EN 13501-1

**Fire resistance class:** For current fire resistance classes, please go to: [www.hoesch-bau.com](http://www.hoesch-bau.com)

**Sound protection:** Rw = 25 dB

**Conformity:** According to EN 14509

**Quality assurance:** Our products are subject to the IMA-Dresden quality directives, as per certificate no. NY21SIH.

**Sustainability:** For all sandwich panels with rigid foam insulation cores is the environmental product declaration available (Environmental Product Declaration EPD) as well as the BREEAM®-certification ENP497/au-ay.

**Installation:** The installation recommendation may be found at [www.hoesch-bau.com](http://www.hoesch-bau.com). We recommend for the installation of large-size panels the vacuum lifters of the Company Viavac and Company Wirth.

**Product guarantee:** In accordance with our guarantee conditions, we guarantee more than 30 years protection for the steel cores of our cover sheets.

Ordering example:	Outer sheet	Inner sheet	Element thickness	Element version
Hoesch isowand vario®	M = Micro-profiled	L = Slightly profiled	100 = 100 mm	V = Vario

**Note:** EN standards need to be applied in the legally valid form specific to each country.