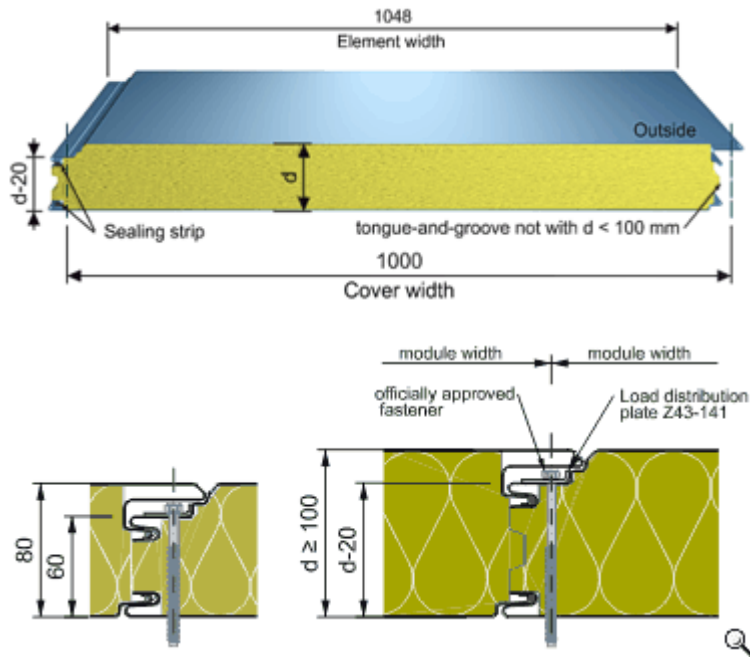


## isorock® vario Technical Data



Designation of building element	Typ	Element thickness d	Material thickness		max. length supplied	weight	Thermal resistance R*	Heat transfer coefficient U*	Thermal resistance R <sub>D</sub> **	Heat transfer coefficient U**		
			Outer sheet t <sub>N</sub>	Inner sheet t <sub>N</sub>								
		mm	mm	mm	m	kg/m <sup>2</sup>	m <sup>2</sup> K/W	W/m <sup>2</sup> K	m <sup>2</sup> K/W	W/m <sup>2</sup> K		
Hoesch isorock® vario	D0	80	0,50	0,50	16,0	15,9	1,93	0,48	1,90	0,53		
		100	0,75	0,75	16,0	20,4					16,0	17,7
Hoesch isorock® vario	D1	80	0,50	0,50	16,0	16,9	1,84	0,50	1,80	0,55		
		100			16,0	21,4					16,0	18,9
		120			16,0	23,4	15,7	25,4	2,77	0,34	2,75	0,36
		140			16,0	22,9	14,6	27,4				
		150			16,0	23,9	14,0	28,4	3,47	0,28	3,45	0,29
		160			16,0	24,9	13,6	29,4				
		180			14,9	26,9	12,7	31,4	4,16	0,23	4,15	0,24
		200			13,8	28,9	12,0	33,4				
Hoesch isorock® vario	D2	80	0,50	0,50	16,0	18,8	1,76	0,52	1,75	0,57		
		100			16,0	23,3					16,0	21,3
		120			15,5	25,8	16,0	23,8	2,64	0,36	2,60	0,38
		140			14,1	28,3	15,2	26,3				
		160			13,0	30,8	13,9	30,8	3,53	0,27	3,50	0,28
		160			12,0	33,4	12,0	33,4				

Other cover sheet combinations such as outside / inside = 0.75 / 0.50 are available as a standard.  
Element thickness d=150 mm, longer versions or other material combinations on request

\* calculating acc. to EN ISO 6946

\*\* calculating acc. to EN 13 162 taking account of the joints acc. to EN 14 509

**Fire resistance**

Building material category **A2-s1, d0** to EN 13501-1  
 "non combustible"

**Fire resistance category for use as wall element**

	Fire resistance class	Laying direction	Max. spacing [m]	Type	Element thickness [mm]	Test certificate
DIN EN 13501-2*	EI 30 <sup>1)</sup>	See 2)	≤ 4,00	D2	≥ 80	KB III / 08-062
	EW 30 <sup>1)</sup>		≤ 4,00	D2	≥ 80	
	EI 60 <sup>1)</sup>		≤ 4,00	D2	≥ 120	KB III / 08-063
	EW 60 <sup>1)</sup>		≤ 4,00	D2	≥ 120	
	EI 90 <sup>1)</sup>		≤ 4,00	D1	≥ 150	KB III / 08064
	EW 90 <sup>1)</sup>		≤ 4,00	D1	≥ 150	

<sup>1)</sup> Test acc. to EN 1363-1 and EN 1364-1, classification acc. to EN 13501-2

<sup>2)</sup> In Germany, only vertical laying is permissible, in other countries both vertical and horizontal laying are permissible.

**Approval**

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