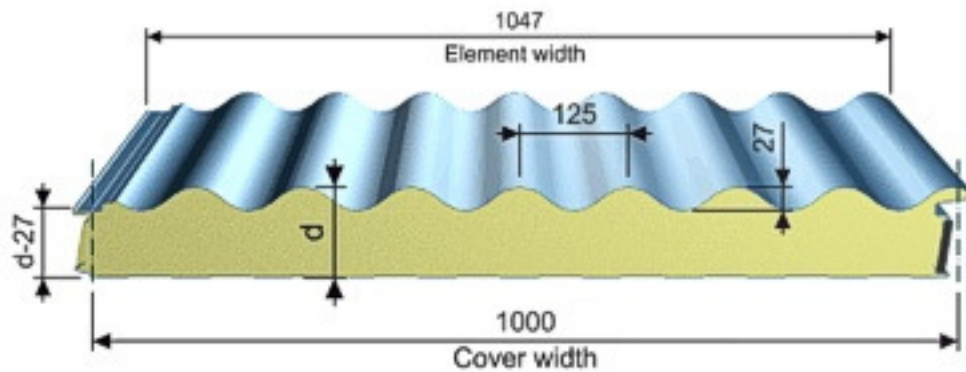
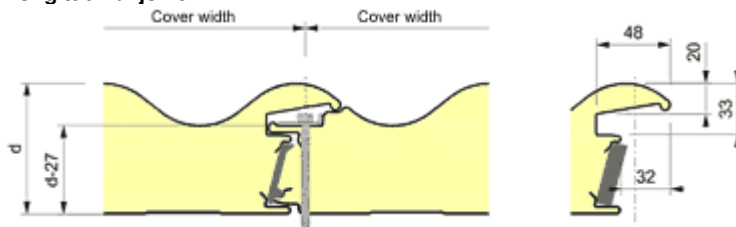


## isowelle® Technical data

## Cross-section



## Longitudinal joint



Designation of building element	Element thickness d mm	Material thickness		Max. length supplied d m	Weight kg/m <sup>2</sup>	Thermal resistance R* m <sup>2</sup> K/W	Heat transfer coefficient U* W/m <sup>2</sup> K	Thermal resistance R <sub>D</sub> ** m <sup>2</sup> K/W	Heat transfer coefficient U** W/m <sup>2</sup> K
		Outer sheet t <sub>N</sub> mm	Inner sheet 'N mm						
Hoesch isowelle®	64	0,60	0,75	20	14,5	2,11	0,44	2,10	0,51
	84				15,3	2,98	0,32	2,95	0,36
	104				16,1	3,85	0,25	3,85	0,27

\* calculation acc. to EN ISO 6946

\*\* calculation acc. to EN 13 165 taking account of the joints acc. to EN 14 509

## Fire resistance

isowelle® is virtually non-inflammable when being installed (building material class B1 according to DIN 4102-1).

## Air permeability of joints

The air permeability of joints is for

horiz. installation:  $a < 0,002 \text{ m}^3 / \text{h} \cdot \text{m} \cdot \text{daPa}^{1,0}$ vert. installation:  $a = 0,011 \text{ m}^3 / \text{h} \cdot \text{m} \cdot \text{daPa}^{1,0}$

**Material**

Cover shells:

steel grade S 320 GD+ZA255 according to EN 10214 alloy-galvanised GALFAN® plus Coating.

Insulating core:

water-foamed polyurethane (PUR) rigid foam

Cover shells:	Element side
W = wisowelle 27 / 125	outside
L = slightly profiled (L)	inside:

**Approval**

General approval no. Z-10.4-345

**Ref. no. for ordering**

example isowelle® HIW 84 / 0.60-0,75

isowelle®	HIW	84	/	0,60	-	0,75
	Abbreviation	Element thickness		Material thickness outer shell		Material thickness inner shell
	isowelle®	84 mm		0,60 mm		0,75 mm

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