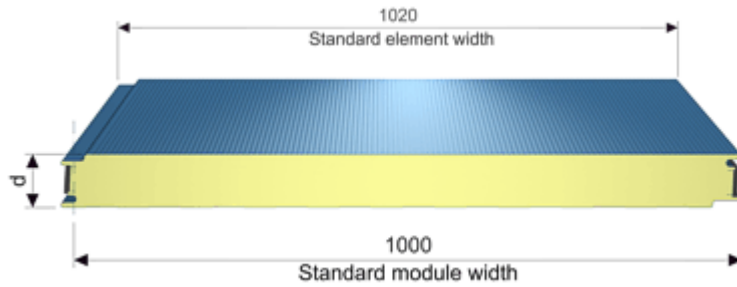
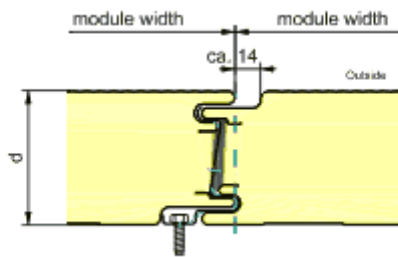


isowand integral® Technical data



Longitudinal joint



Cover width	Element thickness	Material thickness		Max. length supplied	Weight	Thermal resistance R*	Heat transfer coefficient U*	Thermal resistance R _D **	Heat transfer coefficient U**	Heat transfer coefficient U***
		Outer sheet	Inner sheet t _N							
mm	mm	mm	mm	m	kg/m ²	m ² K/W	W/m ² K	m ² K/W	W/m ² K	W/m ² K
	60				12,1	2,56	0,37	2,55	0,42	0,43
1000 (standard)	80				12,9	3,43	0,28	3,40	0,30	0,31
	100	0,55	0,55	20	13,7	4,30	0,22	4,30	0,24	0,25
	120				14,4	5,17	0,19	5,15	0,20	0,20
	60				12,7	2,56	0,37	2,55	0,45	0,46
600 (on request)	80				13,5	3,43	0,28	3,40	0,31	0,33
	100	0,55	0,55	20	14,3	4,30	0,22	4,30	0,25	0,26
	120				15,1	5,17	0,19	5,15	0,21	0,22
	60				12,7	2,56	0,37	2,55	0,45	0,46

* calculating acc. To EN ISO 6946

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

*** like ** but taking also account of the brackets (every second meter)

Fire resistance

isowand integral® is virtually non-flammable when being installed (building material class B1 according to DIN 4102-1) and B-s3,d0 according to EN 13501-1) and class 0 according to Approval Document B, the Building Regulations 2000 (test to BS 476-6 and BS 476-7).

Sound insulation

Sound reduction index RW = 25 dB.

Air permeability of jointsThe air permeability through the joints is:
 $a < 0,037 \text{m}^3 / \text{h} \cdot \text{m} \cdot \text{daPa}^{0,8}$ **Material**

Cover sheets:	Steel grade S 320 GD+ZA255 according to DIN 10214 alloy-galvanised GALFAN® plus
Insulating core:	water-foamed polyurethane (PUR) rigid foam

Profiling of cover shells

		Outer sheet	Inner sheet
micro-profiled	M	x	
V-profiles	V	x	
Slightly profiled	L	x	x
Flat	E	o	o

o = on request

Approval

General approvals no. Z-10.4-345.

Ref.no. for ordering

example: isowand integral® ML 60i

isowand integral®	M	L	60	i
	Outer shell type	Inner shell type	Element thickness	Type
	M = micro-profiled	L =slightly profiled	60 mm	integral

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