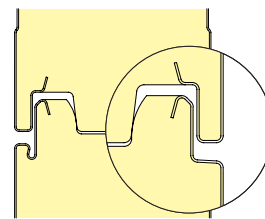
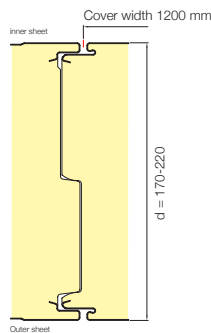
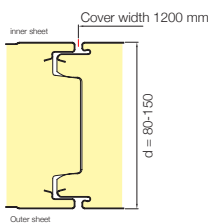
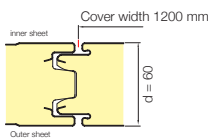
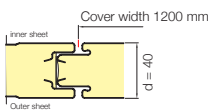
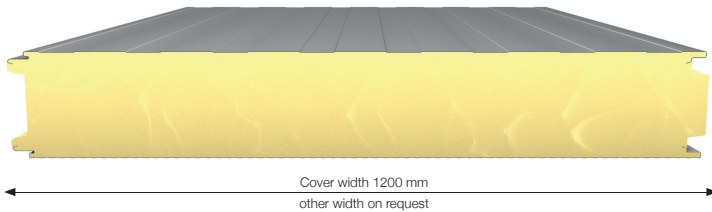


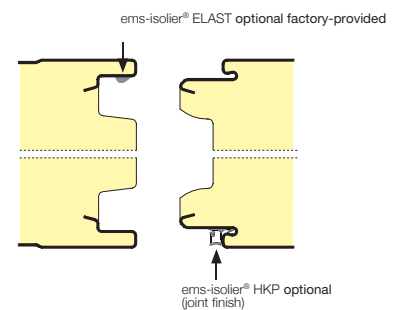
ems-isolier[®] panel EM

Technical data



Horizontal joint (optional)

The inclination of the groove flank avoids the penetration of rainwater when the elements are laid horizontally.

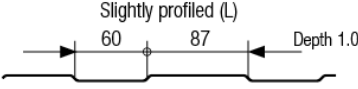

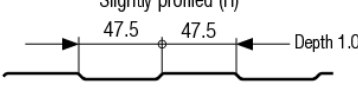

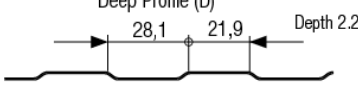







Designation of building part	Type	Element thickness	Thickness of cover sheets		Max. length supplied	Weight	Thermal resistance	Heat transfer coefficient	Thermal resistance	Heat transfer coefficient
			t_N [mm]	t_n [mm]			R [m ² K/W]	U [W/m ² k]	R [m ² K/W]	U [W/m ² k]
ems-isolier [®] panel	EM	d [mm]	t_N [mm]	t_n [mm]	m	m*	values as per EN ISO 6946		values as per EN 13165 and EN 14509	
							R	U	R	U
		40	0,60	0,50	20,0**	10,8	1,85	0,49	1,85	0,56
		60				11,6	2,80	0,34	2,80	0,36
		80				12,4	3,76	0,26	3,75	0,26
		100				13,2	4,71	0,21	4,70	0,21
		120				14,0	5,66	0,17	5,65	0,18
		140				14,8	6,61	0,15	6,60	0,15
		150				15,2	7,09	0,14	7,05	0,14
		170				16,0	8,04	0,12	8,00	0,12
200	16,8	9,47				0,10	9,45	0,11		
220	17,6	10,42				0,09	10,40	0,10		

Related to cover width 1200 mm

Note: Deviation in colour and colour changes on the cut surface of the IPN3 insulation core are based on weather influence. While panels are stored outside UV-light might modify the colour of the core. This does not affect the quality of the panel and is no reason for complaint.

The information provided in this technical data sheet is subject to technical modifications. Details of features can be guaranteed only as far as these are explicitly confirmed in writing on a case by case basis. Brand Sales of ems . www.ems-bau.com . 08/2018

Cover sheet profiling	Outer sheet	Inner sheet	
Slightly profiled (L) 	■	■	
Slightly profiled (H) 	■	■	
Deep Profile (D) 		■	
V-profiled (V) 	■		
Flat (E) 	●	●	

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

■ available ● on request

Length supplied:

up to 20 m, lengths below 2 m on request Standard packaging

Packing:

according to factory specification;
special packaging on request

Material:

Cover sheets:

Quality flat steel S280 GD
Various-coating systems and alternative cover sheets for special applications on request.

Insulation core:

(Polyisocyanurat) rigid foam (IPN 3) with a nominal density of 40 kg/m³.

Building material classification:

B-s1,d0 (for all final applications) in accordance with EN 13 501-1

Fire resistance class:

Depending on the element thickness, up to EI 45 accordance with EN 13501-2.
For current fire resistance classes, please go to: <http://www.ems-bau.com>

Sound protection:

Rw = 25 dB

Conformity:

In accordance with EN 14509, CE identification

Approval:

General approval Z-10.4-679 for Germany

Ordering example:

ems isolier® Paneel EM				
Outer sheet	Inner sheet	Element thickness	Element version	Cover width
V = V-profiled	L = slightly profiled	120=120 mm	EM	1200 = 1200 mm