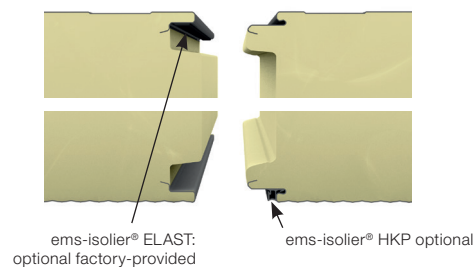


Horizontal joint (optional)

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



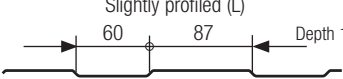

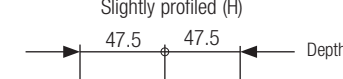


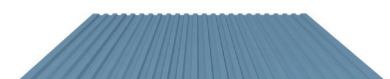
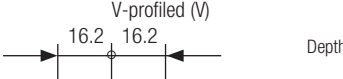



Designation of building part	Element thickness	Fire behaviour	Steel sheet thicknesses		Max. length supplied	Weight	Thermal resistance	Heat transfer coefficient	Thermal resistance	Heat transfer coefficient		
			values as per EN ISO 6946				values as per EN 14509 (2013-12) incl. joint influence					
			D mm	gem. EN 13501-1			t _{nom1} [mm]	t _{nom2} [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 with IPN3 insulation core	40	B-s2,d0	0.60	0.50	20	10.8	1.85	0.49	1.85	0.55		
	60	B-s1,d0	0.60	0.60		12.4	2.80	0.34	2.80	0.36		
	80					13.2	3.75	0.26	3.75	0.26		
	100					14.0	4.70	0.21	4.70	0.21		
	120					14.8	5.66	0.17	5.65	0.18		
	140					15.5	6.61	0.15	6.60	0.15		
	150					15.9	7.09	0.14	7.05	0.14		
	170					16.7	8.04	0.12	8.00	0.12		
	200					17.9	9.47	0.10	9.45	0.11		
	220					18.7	10.42	0.09	10.40	0.10		

Related to modular width 1,200 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 . 10/2019

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
Packaging:	Standard packaging according to factory specification; special packaging on request
Material:	Steel cover sheets: Quality flat steel S280 GD with metallic corrosion protection coating - various surface finishes on request. Outer cover: Standard coating SP 25 µm Inner cover: Standard coating DU 15 µm Insulation core: PIR (IPN3)
Building material classification:	D = 40 mm: B-s2,d0 (for all final applications) in accordance with EN 13501-1 D = 60–220 mm: B-s1,d0 (for all final applications) in accordance with EN 13501-1
Fire resistance class:	Depending on the element thickness and steel sheet thicknesses. For current fire resistance classes, please go to: http://www.ems-bau.com/downloads/
Sound protection:	$R_w = 25$ dB
Certification:	(load-bearing) DIBt approval (abZ) Nr. Z-10.4-679
Conformity:	in accordance with EN 14509, CE identification

ems-isolier® panel EM					
Ordering example:	External steel sheet	Internal steel sheet	Element thickness	Element type	Modular width
	V = V-profiled	L = Slightly profiled	120 = 120 mm	EM	1,200 = 1,200 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.

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