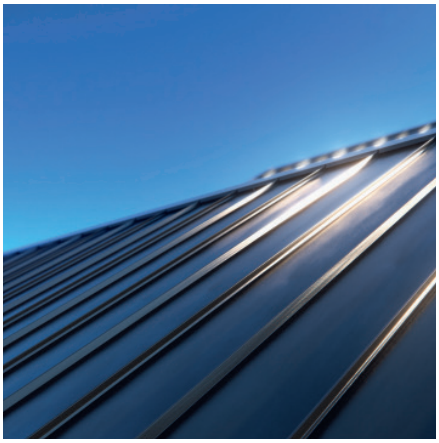
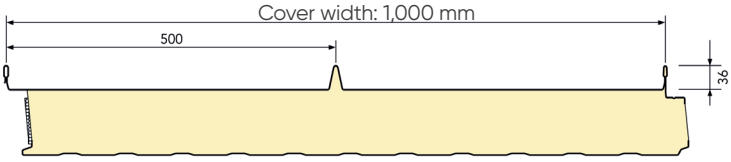
Maukatherm® T iQ+

ArcelorMittal

PIR composite panel

Contrisson (FR)





Standard colours

Hairexcel® 60 R'Unik 45

6719 Macadam	8906 Ouragan *	8905 Tuxedo	8750 London	86E2 Patina Green	8737 Shadow	8804 Kupari

* Metallic colour

Tectova® 60

68T2 Alezan	67T1 Fryslan

The printed colours may differ slightly from the actual colours

Characteristics of the panel

		NOMINAL THICKNESS OF THE PANEL (mm)	
		70	100
Dimensions	Thickness of outside / inside (mm)	0.60 / 0.50	
	Overall length (mm)	Minimum 3,000 / Maximum 12,000 Shorter lengths up to 200 mm are available on request.	
	Defoaming (mm)	50 - 100 - 200 - 300	
Esthétiques	Exterior finish	Standing seam	
	Interior finish	Standard	
Weight (kg/m²)	Ex. in standard thicknesses **0,60 / 0,50 mm**	12.65	13.84
Reaction to fire	Euroclass according to NF EN 13501-1	**B-s1,d0**	
Thermal Performance	Thermal conductivity λ (W/m.k)	0.019	
	Thermal transmittance Uc (W/m².K)	0.273	0.189
	Heat loss coefficient (W/m².K)	0.287	0.195
	Thermal resistance Rc (m².K/W)	3.523	5.151

Fixings

- 1 distribution plate and 1 screw on end support
- 1 distribution plate and 2 screws on intermediate support

Span table according to French norms

Table of use for a nominal panel thickness of 70 mm

Permissible spans in metres for panel thicknesses of 0.60 / 0.50 mm.

Please note: The maximum span to be considered, including fixings, is the smallest value in the line.
Wind loads on panels and fixings are determined in our Guide to Climatic and Seismic conditions.

	Panel only - Nominal thickness 70 mm			Wind resistance of fastener				
	Loads (kN/m²)	2 SUPPORTS	3 SUPPORTS and more	2 SUPPORTS	3 SUPPORTS	4 SUPPORTS	5 SUPPORTS and more	
				Pk/gm Minimum 198	Pk/gm Minimum 205			
Pressure	0.50	3.50	3.50					Pressure
Underpressure		3.50	3.50	8.02	4.62	5.25	5.05	Underpressure
Pressure	0.60	3.50	3.50					Pressure
Underpressure		3.50	3.50	6.46	3.72	4.23	4.07	Underpressure
Pressure	0.70	3.50	3.50					Pressure
Underpressure		3.50	3.50	5.41	3.12	3.54	3.41	Underpressure
Pressure	0.80	3.50	3.50					Pressure
Underpressure		3.50	3.06	4.66	2.68	3.05	2.93	Underpressure
Pressure	0.90	3.50	3.50					Pressure
Underpressure		3.23	2.69	4.09	2.35	2.67	2.57	Underpressure
Pressure	1.00	3.50	3.50					Pressure
Underpressure		2.88	2.39	3.64	2.10	2.38	2.29	Underpressure
Pressure	1.10	3.50	3.50					Pressure
Underpressure		2.60	2.16	3.28	1.89	2.15	2.07	Underpressure
Pressure	1.20	3.50	3.50					Pressure
Underpressure		2.36	1.96	2.99	1.72	1.96	1.88	Underpressure
Pressure	1.30	3.50	3.50					Pressure
Underpressure		2.17	1.80	2.74	1.58	1.79	1.73	Underpressure
Pressure	1.40	3.50	3.50					Pressure
Underpressure		2.00	1.67	2.53	1.46	1.66	1.60	Underpressure
Pressure	1.50	3.48	3.50					Pressure
Underpressure		1.86	1.55	2.35	1.36	1.54	1.48	Underpressure
Pressure	1.60	3.37	3.50					Pressure
Underpressure		1.74	1.45	2.20	1.27	1.44	1.39	Underpressure
Pressure	1.70	3.27	3.50					Pressure
Underpressure		1.63	1.36	2.06	1.19	1.35	1.30	Underpressure
Pressure	1.80	3.18	3.50					Pressure
Underpressure		1.54	1.28	1.94	1.12	1.27	1.22	Underpressure
Pressure	1.90	3.10	3.50					Pressure
Underpressure		1.45	1.21	1.84	1.06	1.20	1.16	Underpressure
Pressure	2.00	3.02	3.50					Pressure
Underpressure		1.38	1.14	1.74	1.00	1.14	1.10	Underpressure
Pressure	2.10	2.95	3.42					Pressure
Underpressure								Underpressure
Pressure	2.20	2.88	3.35					Pressure
Underpressure								Underpressure
Pressure	2.30	2.81	3.22					Pressure
Underpressure								Underpressure
Pressure	2.40	2.75	3.09					Pressure
Underpressure								Underpressure

Table of use for a nominal panel thickness of 100 mm

Permissible spans in metres for panel thicknesses of 0.60 / 0.50 mm.

Please note: The maximum span to be considered, including fixings, is the smallest value in the line.
Wind loads on panels and fixings are determined in our Guide to Climatic and Seismic conditions.

	Panel only - Nominal thickness 100 mm			Wind resistance of fastener				
	Loads (kN/m²)	2 SUPPORTS	3 SUPPORTS and more	2 SUPPORTS	3 SUPPORTS	4 SUPPORTS	5 SUPPORTS and more	
				Pk/gm Minimum 199	Pk/gm Minimum 248			
Pressure	0.50	3.50	3.50					Pressure
Underpressure		3.50	3.50	8.50	5.10	5.80	5.58	Underpressure
Pressure	0.60	3.50	3.50					Pressure
Underpressure		3.50	3.50	6.83	4.10	4.66	4.48	Underpressure
Pressure	0.70	3.50	3.50					Pressure
Underpressure		3.50	3.50	5.70	3.42	3.89	3.74	Underpressure
Pressure	0.80	3.50	3.50					Pressure
Underpressure		3.50	3.50	4.90	2.94	3.34	3.21	Underpressure
Pressure	0.90	3.50	3.50					Pressure
Underpressure		3.28	3.28	4.29	2.58	2.93	2.82	Underpressure
Pressure	1.00	3.50	3.50					Pressure
Underpressure		2.92	2.92	3.82	2.29	2.60	2.51	Underpressure
Pressure	1.10	3.50	3.50					Pressure
Underpressure		2.63	2.63	3.44	2.06	2.35	2.26	Underpressure
Pressure	1.20	3.50	3.50					Pressure
Underpressure		2.39	2.39	3.13	1.88	2.13	2.05	Underpressure
Pressure	1.30	3.50	3.50					Pressure
Underpressure		2.19	2.19	2.87	1.72	1.96	1.88	Underpressure
Pressure	1.40	3.50	3.50					Pressure
Underpressure		2.03	2.03	2.65	1.59	1.81	1.74	Underpressure
Pressure	1.50	3.50	3.50					Pressure
Underpressure		1.88	1.88	2.46	1.48	1.68	1.62	Underpressure
Pressure	1.60	3.50	3.50					Pressure
Underpressure		1.76	1.76	2.30	1.38	1.57	1.51	Underpressure
Pressure	1.70	3.50	3.50					Pressure
Underpressure		1.65	1.65	2.16	1.29	1.47	1.41	Underpressure
Pressure	1.80	3.50	3.50					Pressure
Underpressure		1.55	1.55	2.03	1.22	1.38	1.33	Underpressure
Pressure	1.90	3.50	3.50					Pressure
Underpressure		1.47	1.47	1.92	1.15	1.31	1.26	Underpressure
Pressure	2.00	3.50	3.50					Pressure
Underpressure		1.39	1.39	1.82	1.09	1.24	1.19	Underpressure
Pressure	2.10	3.50	3.50					Pressure
Underpressure								Underpressure
Pressure	2.20	3.50	3.50					Pressure
Underpressure								Underpressure
Pressure	2.30	3.50	3.50					Pressure
Underpressure								Underpressure
Pressure	2.40	3.50	3.50					Pressure
Underpressure								Underpressure