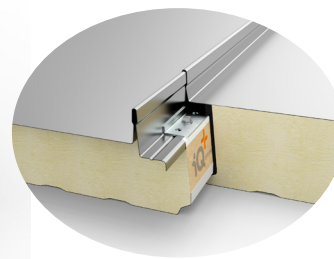
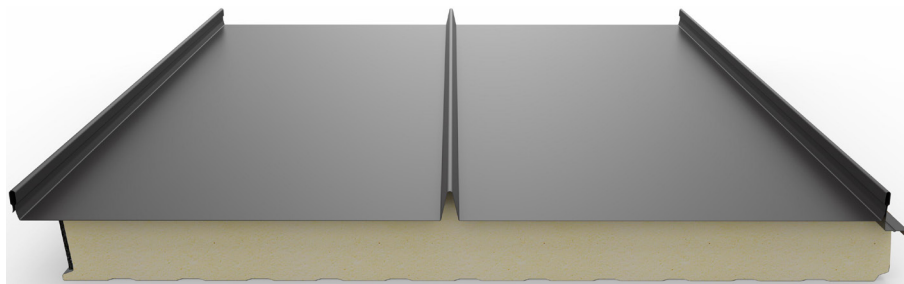


# Maukatherm T iQ+

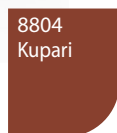
PIR sandwich panel



## Standard colors

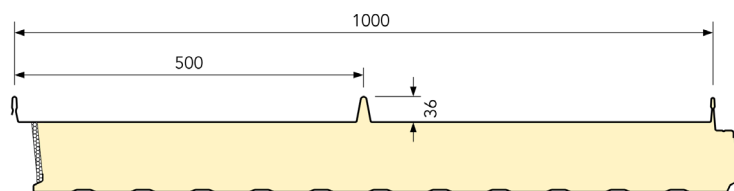
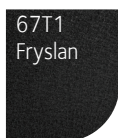
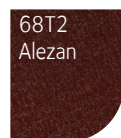
Hairexcel® 60

R'Unik 45



Metallic color

Tectova® 60



## EXTRA

Maukatherm T iQ+ is aesthetic and presents the advantage of a warm roof that is easy to install. Its installation requires 2.5 times less time than that of a conventional zinc standing seam roof.

Please note: as for zinc roofing, Maukatherm T iQ+ presents an unavoidable phenomenon of oil canning (warped appearance, scattered warping).

## Panel characteristics

		Panel nominal thickness (mm)	
		70	100
Dimensional	Thickness of the outer / inner facing (mm)	0.60 / 0.50	
	Overall length (mm)	Minimum 3 000 / Maximum 12 000	
	End cuts (mm)	50 - 100 - 200 - 300	
Aesthetic	Aspect of the outer facing	Standing seam	
	Aspect of the inner facing	Ribbed	
Weight (kg/m <sup>2</sup> )		12.65	13.84
Reaction to fire	Euroclass acc. to NF EN 13501-1	B-s1.d0	
Thermal	Thermal conductivity $\lambda$ (W/m.k)	0.019	
	Thermal transmittance $U_c$ (W/m <sup>2</sup> .k)	0.273	0.189
	Linear heat loss $\psi$ (W/m.K)	0.014	0.006
	Surface loss coefficient $U_p$ (W/m <sup>2</sup> .K)	0.287	0.195
	Thermal resistance $R$ (m <sup>2</sup> .K/W)	3.523	5.151

## Fixings

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

# Maukatherm T iQ+

PIR sandwich panel



## Application table for nominal panel thickness of 70 mm

Admissible spans in meters for facings tickness **0.60 / 0.50 mm**.

**Please note: For suction, the maximum load to be retained, fixings included, corresponds to the lowest value in the row. Wind loads on panels and fixings are defined in our Climatic and seismic actions guide.**

	Panel alone Nominal thickness 70 mm			Loads (daN/m <sup>2</sup> )	Wind resistance of fixings				
	Single span	Loads (daN/m <sup>2</sup> )	Multiple span		Number of supports				
	2 supports		3 supports and more		2 supports	3 supports	4 supports	5 supports and more	
					Pk/γm: 198 minimal	Pk/γm: 205 minimal	Pk/γm: 205 minimal	Pk/γm: 205 minimal	
Pressure	3.50	<b>50</b>	3.50	<b>50</b>					Pressure
Suction	3.50		3.50		8.02	4.62	5.25	5.05	Suction
Pressure	3.50	<b>60</b>	3.50	<b>60</b>					Pressure
Suction	3.50		3.50		6.46	3.72	4.23	4.07	Suction
Pressure	3.50	<b>70</b>	3.50	<b>70</b>					Pressure
Suction	3.50		3.50		5.41	3.12	3.54	3.41	Suction
Pressure	3.50	<b>80</b>	3.50	<b>80</b>					Pressure
Suction	3.50		3.06		4.66	2.68	3.05	2.93	Suction
Pressure	3.50	<b>90</b>	3.50	<b>90</b>					Pressure
Suction	3.23		2.69		4.09	2.35	2.67	2.57	Suction
Pressure	3.50	<b>100</b>	3.50	<b>100</b>					Pressure
Suction	2.88		2.39		3.64	2.10	2.38	2.29	Suction
Pressure	3.50	<b>110</b>	3.50	<b>110</b>					Pressure
Suction	2.60		2.16		3.28	1.89	2.15	2.07	Suction
Pressure	3.50	<b>120</b>	3.50	<b>120</b>					Pressure
Suction	2.36		1.96		2.99	1.72	1.96	1.88	Suction
Pressure	3.50	<b>130</b>	3.50	<b>130</b>					Pressure
Suction	2.17		1.80		2.74	1.58	1.79	1.73	Suction
Pressure	3.50	<b>140</b>	3.50	<b>140</b>					Pressure
Suction	2.00		1.67		2.53	1.46	1.66	1.60	Suction
Pressure	3.48	<b>150</b>	3.50	<b>150</b>					Pressure
Suction	1.86		1.55		2.35	1.36	1.54	1.48	Suction
Pressure	3.37	<b>160</b>	3.50	<b>160</b>					Pressure
Suction	1.74		1.45		2.20	1.27	1.44	1.39	Suction
Pressure	3.27	<b>170</b>	3.50	<b>170</b>					Pressure
Suction	1.63		1.36		2.06	1.19	1.35	1.30	Suction
Pressure	3.18	<b>180</b>	3.50	<b>180</b>					Pressure
Suction	1.54		1.28		1.94	1.12	1.27	1.22	Suction
Pressure	3.10	<b>190</b>	3.50	<b>190</b>					Pressure
Suction	1.45		1.21		1.84	1.06	1.20	1.16	Suction
Pressure	3.02	<b>200</b>	3.50	<b>200</b>					Pressure
Suction	1.38		1.14		1.74	1.00	1.14	1.10	Suction
Pressure	2.95	<b>210</b>	3.42	<b>210</b>					Pressure
Suction									Suction
Pressure	2.88	<b>220</b>	3.35	<b>220</b>					Pressure
Suction									Suction
Pressure	2.81	<b>230</b>	3.22	<b>230</b>					Pressure
Suction									Suction
Pressure	2.75	<b>240</b>	3.09	<b>240</b>					Pressure
Suction									Suction

# Maukatherm T iQ+

PIR sandwich panel



## Application table for nominal panel thickness of 100 mm

Admissible spans in meters for facings tickness **0.60 / 0.50 mm**.

**Please note: For suction, the maximum load to be retained, fixings included, corresponds to the lowest value in the row. Wind loads on panels and fixings are defined in our Climatic and seismic actions guide.**

Panel alone - Nominal thickness 100 mm				Wind resistance of fixings					
Single span		Loads (daN/m <sup>2</sup> )	Multiple span		Number of supports				
2 supports			3 supports and more		2 supports	3 supports	4 supports	5 supports and more	
				Loads (daN/m <sup>2</sup> )	Pk/γm: 199 minimal	Pk/γm: 248 minimal	Pk/γm: 248 minimal	Pk/γm: 248 minimal	
Pressure	3.50	<b>50</b>	3.50	<b>50</b>					Pressure
Suction	3.50		3.50		8.50	5.10	5.80	5.58	Suction
Pressure	3.50	<b>60</b>	3.50	<b>60</b>					Pressure
Suction	3.50		3.50		6.83	4.10	4.66	4.48	Suction
Pressure	3.50	<b>70</b>	3.50	<b>70</b>					Pressure
Suction	3.50		3.50		5.70	3.42	3.89	3.74	Suction
Pressure	3.50	<b>80</b>	3.50	<b>80</b>					Pressure
Suction	3.50		3.50		4.90	2.94	3.34	3.21	Suction
Pressure	3.50	<b>90</b>	3.50	<b>90</b>					Pressure
Suction	3.28		3.28		4.29	2.58	2.93	2.82	Suction
Pressure	3.50	<b>100</b>	3.50	<b>100</b>					Pressure
Suction	2.92		2.92		3.82	2.29	2.60	2.51	Suction
Pressure	3.50	<b>110</b>	3.50	<b>110</b>					Pressure
Suction	2.63		2.63		3.44	2.06	2.35	2.26	Suction
Pressure	3.50	<b>120</b>	3.50	<b>120</b>					Pressure
Suction	2.39		2.39		3.13	1.88	2.13	2.05	Suction
Pressure	3.50	<b>130</b>	3.50	<b>130</b>					Pressure
Suction	2.19		2.19		2.87	1.72	1.96	1.88	Suction
Pressure	3.50	<b>140</b>	3.50	<b>140</b>					Pressure
Suction	2.03		2.03		2.65	1.59	1.81	1.74	Suction
Pressure	3.50	<b>150</b>	3.50	<b>150</b>					Pressure
Suction	1.88		1.88		2.46	1.48	1.68	1.62	Suction
Pressure	3.50	<b>160</b>	3.50	<b>160</b>					Pressure
Suction	1.76		1.76		2.30	1.38	1.57	1.51	Suction
Pressure	3.50	<b>170</b>	3.50	<b>170</b>					Pressure
Suction	1.65		1.65		2.16	1.29	1.47	1.41	Suction
Pressure	3.50	<b>180</b>	3.50	<b>180</b>					Pressure
Suction	1.55		1.55		2.03	1.22	1.38	1.33	Suction
Pressure	3.50	<b>190</b>	3.50	<b>190</b>					Pressure
Suction	1.47		1.47		1.92	1.15	1.31	1.26	Suction
Pressure	3.50	<b>200</b>	3.50	<b>200</b>					Pressure
Suction	1.39		1.39		1.82	1.09	1.24	1.19	Suction
Pressure	3.50	<b>210</b>	3.50	<b>210</b>					Pressure
Suction									
Pressure	3.50	<b>220</b>	3.50	<b>220</b>					Pressure
Suction									
Pressure	3.50	<b>230</b>	3.50	<b>230</b>					Pressure
Suction									
Pressure	3.50	<b>240</b>	3.50	<b>240</b>					Pressure
Suction									