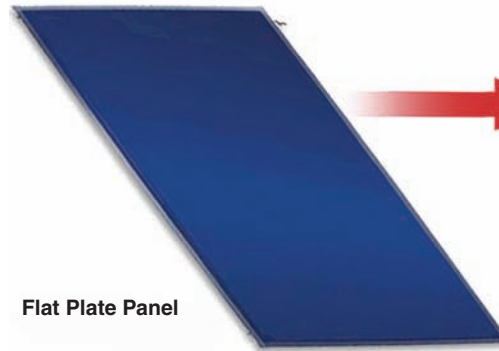


FLAT PLATE PANELS

myPlanet is an established retail brand for energy saving products. "Our passion is to provide innovative solutions and generate stimulation for the mass market to adopt affordable energy saving measures".

Description	Code
Solar Thermal Panels	
Flat plate panel	100750
Flat plate panel	107027
Flat plate installation kits	
On roof kit for Product Code 100750 plain tile	182024
Flat roof kit for Product Code 100750 plain tile	182035
Extension flat roof kit for Product Code 100750 plain tile	182046
On roof kit for Product Code 107027 plain tile	182057
Extension on roof kit for Product Code 107027 plain tile	182063
Flat roof kit for Product Code 107027 plain tile	182042
Extension flat roof kit for Product Code 107027 plain tile	182084

Kits	
Kits include:	
Flat-Plate Panels, Roof Mounting Kit, Twin-Line Pump-Station, Solar Controller, Expansion Vessel, Expansion Vessel Fixing Bracket, 2 x Lead Slates, Anti-Freeze	
Kit 1 (1 x Panel)	134031
Kit 2 (2 x Panels)	134045
Kit 3 (3 x Panels)	134058



Flat Plate Panel



Description	Ideally suited for packaged solutions (solar kits)	All-rounder especially suitable for larger solar thermal systems
Product code	100750	107027
Type of construction	Flatplate collector for on-roof, flat-roof and facade mounting	Flatplate collector for on-roof, flat-roof and facade mounting
Measurement	2,160 x 1,150 mm	2,160 x 1,150 mm
Gross area	2.51 m ²	2.51 m ²
Height	75 mm	95 mm
Absorber area (net)	2.29 m ² (=aperture area)	2.29 m ² (=aperture area)
Total Weight dry	37 kg	39 kg
Liquid content litres	1.73	1.7
Nominal flow	80 l/h (low flow conditions: 40 l/h)	120 l/h (low flow conditions: 50 l/h)
Nominal pressure loss	160 mbar (low flow conditions: 80 mbar, water/propylen-glykol 20°C)	280 mbar (low flow conditions: 90 mbar, water/propylen-glykol 20°C)
Hydraulic connection	Series connection with collectors side by side	Parallel connection with collectorsside-by-side
Collector connection	2 connectors at top, 12 mm for compression fittings	Plug connection with O-ring sealing
Absorber type	absorber with Al-sheet and 1 serpentine ø12 mm	absorber from copper, with 1 serpentine ø9 mm and
Absorber coating	Highly selective on aluminium (eta plus_al)	
Absorption / Emission	95% / 5%	95% / 5%
Covering	Low iron, clear solar safety glass (ESG)	Low iron, structured, solar safety glass (ESG)
Transmission of covering	88%	91%
Impact resistance of covering	Cover passed optional impact resistance tests following EN12975-2	Cover passed optional impact resistance tests following EN12975-2
Heat insulation	Mineral wool 30 mm	Mineral wool 50 mm
Collector case	Aluminium frame, powder coated	Aluminium frame, powder coated
Efficiency	eta 0: 77.6 %, related to the aperture area	eta 0: 77.5%, related to the aperture area
Heat loss coefficient	a1 (k1) 3,95 W / (m ² K)	a1(k1) 3,73 W / (m ² K)
Heat loss coefficient	a2 (k2) 0,0165 W / (m ² K ²)	a2(k2) 0,0152 W / (m ² K ²)
Max. stagnation temp.	191 °C	205 °C
Max. operation pressure	10 bar	10 bar
Guarantee	6 years for functionality and weathering resistance	6 years for functionality and weathering resistance

Key Features:

The first 2m² Panel

Unique ventilation system eliminates condensation

5 times stronger one piece aluminium frame

3.2 mm clear security glass completely sealed unit

Thermal Bridge: Reduces risk of buckling

