



FPW FLAT PLATE

CUT YOUR ENERGY COSTS



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Kingspan FPW Flat Plate panels are one of the most popular solar collectors on the market. Designed especially for higher latitudes climates they provide a cost-effective solution for both commercial and domestic applications and deliver excellent levels of efficiency and performance all year round.

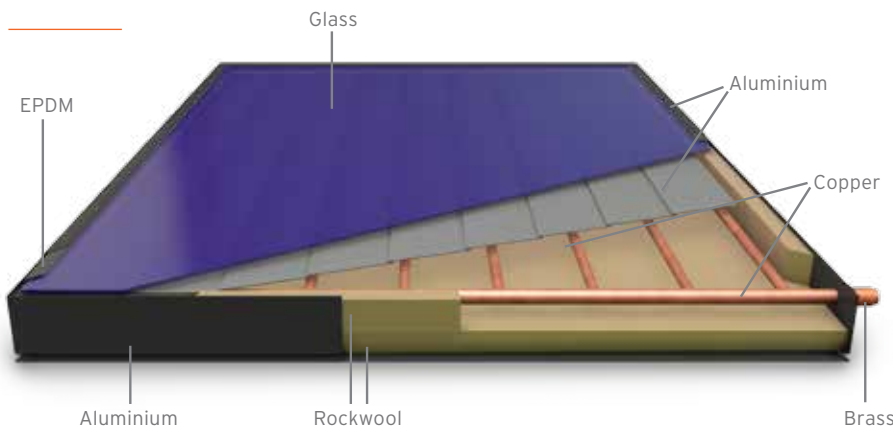
The panels are robust and hard wearing, providing many years of operation in all weather conditions. A range of fixing brackets allows for the panels to be installed on all types of roof tiles including concrete, slate and clay peg.



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BENEFITS FOR EVERYONE

Flat plates offer everything you could look for in a solar thermal panel including an aesthetically pleasing sleek and subtle design, durability and flexible installation with both 'in-roof,' 'on-roof' and A-frame options.



FLAT PLATE SPECIFICATION SUMMARY

DIMENSIONS	FPW18 FLAT PLATE	FPW21 FLAT PLATE	FPW25 FLAT PLATE
Gross Area	1.80 sq m	2.07 sq m	2.43 sq m
Aperture Area	1.62 sq m	1.92 sq m	2.23 sq m
Overall Dimensions	1929x933x91	1988x1041x91	1990x1222x91
Panel Volume of Liquid:	1 litre	1.1 litres	1.3 litres
Panel Weight:	34 kg	37.2 kg	44 kg
MOUNTING			
Type of Mounting:	'In-roof', 'On-roof' and A-frame		
OPERATING DATA			
Zero Loss Collector Efficiency (η_0):	0.785	0.785	0.785
1 st Heat Loss Coefficient (a_1):	3.722 w/m ² K	3.722 w/m ² K	3.722 w/m ² K
2 nd Heat Loss Coefficient (a_2):	0.012 w/m ² K ²	0.012 w/m ² K ²	0.012 w/m ² K ²
Emittance (%):	4	4	4
Absorptance (%):	95	95	95
Max. Operating Pressure:	10 bar	10 bar	10 bar
Casing:	Electrostatically Coated (Black) Aluminium		
Back Plate:	Embossed Aluminium		
Welding Method:	Laser welding		
Absorber Material:	Almeco Tinox Highly Selective Aluminium		
Glass:	Low Iron Tempered Glass		
Insulation:	Rockwool		
QUALITY CERTIFICATION			
Solar Keymark & MCS Certification	YES	YES	YES
IAB Approval	YES	YES	YES
BBA Approval	YES	YES	YES

FEATURES

- High efficiency performance
- Available in 3 sizes
- Robust & hard-wearing
- Ease of installation with appropriate package solutions - 'in-roof'/'on-roof'/'A-frame
- Weather-proof seal
- Aesthetically pleasing installation image (comparable to a roof light or velux window)
- Drainback compatible
- Highly insulated to reduce heat loss
- 4mm thick low iron tempered prismatic glass
- Blend into roof line ('in-roof' cassettes)
- Lightweight - easy to handle on site
- 95% absorption
- MCS Approved



KM 559829 BS EN 12975
Thermal solar systems and components



Contact us today for more information:
T: +44 (0) 28 3836 4520
solar@kingspan.com