

Roof Integrated Solar Collector **IFK 2.1**



Features of IFK 2.1 Roof Integrated Solar Collector

- High quality product manufactured in Austria
- Simple installation to both new build & existing housing/perfect integration
- Easily portable & modular in design
- Excellent price/performance ratio
- Solar Keymark approved product / 20 year solar collector warranty / 35 year life expectancy*
- Flashing kit available for all roof finishes



Solar Keymark
No. 011-7S1396F

* Terms and conditions apply - must be installed, commissioned and maintained as per manufacturers instructions by an approved Solfex Energy Systems engineer.

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Technical Specifications



Gross collector area	2.08m ²
Absorber area	1.88m ²
Height	1996mm
Width	1043mm
Depth	92mm
Empty weight	49kg
Fluid content	1.38 litres
Connections	18mm/can adapt to 1/2" or 3/4"
Collector glazing	3.2mm, Solar safety float glass
Absorber	Laser welded aluminium absorber, highly selective Bluetec Mirotherm Vacuum coating / Copper harp
Insulation	30mm Steinwolle Solarrock
Max operating pressure	10 Bar
Stagnation temperature	190°C
Flow rate recommendation	Minimum 0.6 litre per min / m ²
Minimum inclination	20°
Maximum collectors piped in series	8. However, there is no limit to the amount of collectors which can be roof integrated in series, collectors can also be mounted above each other
	
Absorption	95%
Emission	5%
Minimum output	525 kwh/m ² a
Conversion Factor η_0	0.7845
Heat Transfer Coefficient a¹	3.95 W/m ² K
Temperature depending coefficient heat transfer a²	0.0148 W/m ² K

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