Clearline®

solar

never looked so good

BBA BRITISH BOARD OF AGREMENT
CERTIFICATE No 07/4474

WORLD FIRST FOR SOLAR

viridian® solar

the solar panel for the way you work

- 50 - 60% of annual hot water
- Offer customers a greener lifestyle
- Meet planning requirements
- Improved Code for Sustainable Homes score
- Relax - we've made it easy

speed

Unlike other systems that require specialist contractors, Clearline was developed to be fitted by the trades people on site, using their existing skills, and at the right time in the build programme. The panel is fitted above continuous membrane and tile battens by the roofing contractor. The proprietary flashing kit is a simple push-fit into the solar panel and the whole panel is fitted in around 15 minutes, ready for tiling.

simplicity

The focus on simplicity and speed has extended to the work inside too. A wall-mounting control unit contains all the electronics and plumbing components. Connection is as simple as four runs of pipe work, and then pouring in the working fluid. The average time to install and commission a system is two to three hours.

Collaboration with experienced professionals from major construction organizations has made Clearline different from other solar panels. Solar has changed so you don't have to.

confidence

The construction industry rightly demands the highest durability from the materials it uses. Viridian Solar has tested the Clearline to higher levels than ever before. In addition to the European Standard for solar panels, Clearline is the first solar panel to gain certification from the British Board of Agrement and approval from the NHBC.

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clear responsibility

No plumbing connections are made outside the building, so the roofing contractors can take full responsibility for the weather-tighness of the roofing. The plumbing subcontractor can take full responsibility for all plumbing connections in the building.

stunning looks

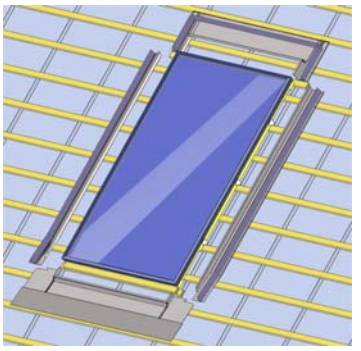
Clearline solar panels form an integrated part of the roof covering, replacing tiles beneath. This arrangement produces a small offset cost for the tiles and their fitment, but also greatly enhances the looks.

Only 80mm thin, Clearline is flush or slightly proud of the roof covering, and blends harmoniously with the design of the building.

With an expected design life in excess of 25 years, Clearline comes with a 10 year warranty

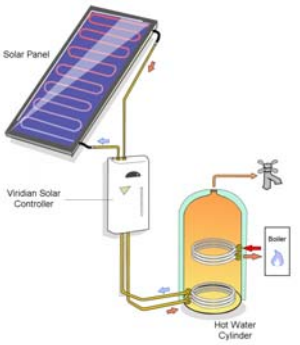
as easy as

1



No plumbing connections to make outside the building. No carpentry.

2



Only four runs of pipe to connect to the wall mounting control unit.

Three hours of additional plumbing work to fit and commission.

3

Trouble-free, clean heat energy from a harmoniously integrated element of the building design.

Clearline®

technical

Solar Panel Type		V30	V20	V15
Installation				
Nominal Area	m^2	3.0	2.0	1.5
Area of tiles replaced	m^2	4.0	2.5	2.0
Width (across roof)	mm	1,164	1,164	1,164
Height (up roof)	mm	2,889	2,043	1,479
Thickness	mm	82	82	82
Weight	kg	62	42	31
Weight (filled)	kg	64	43	32
Roof angle		20-60 degrees		
Tile compatibility		Interlocking and plain tiles		
Regulatory				
Exposure Limitations		Anywhere in UK		
Fire rating to BS 476-3		AA		
Thermal Performance for SAP				
Absorber Area	m^2	3.0	2.10	1.49
Zero Loss Efficiency		0.81	0.81	0.81
Heat Loss Coefficient		3.9	3.9	3.9
Control Unit				
Height	mm	730		
Width	mm	340		
Depth	mm	200		
Weight (filled)	kg	20		
Weight (empty)	kg	16		

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Contact us for a free solar feasibility study for your development.

"I never thought solar could be so easy"

Gary Blake, Site Manager
Mansell Construction

"Its really easy to use, you can just get on and do it without having to wait for other people"

Brad Johnson, Roofer
Bracknell Roofing

"I love it. I've hardly had the boiler on – I'd recommend it to anyone "

Claire
Resident of Hastoe Housing Association

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