



Clearline  
 fusion

Roof Integrated  
Solar PV





Clearline  
fusion

Solar never  
looked so good!









Our Solar PV Solutions have moved beyond the traditional rack-mounted above-roof systems, to create a full roof-integrated Solar PV Solution of the highest quality and aesthetic!

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 **fusion**

## Why Roof Integration?

Roof-integrated solar has always been the obvious choice when refurbishing or building a new roof. Marley Viridian Clearline Fusion brings high quality roof integration within reach for retrofit applications. Now more people can benefit from the advantages of going in-roof.

### Aesthetics

Roof integrated panels sit lower to the roofline, without brackets and racking on show, to look like an intended part of the roof.

### Roof maintenance

The roof covering can be easily maintained or replaced without the cost of dismantling a solar installation. Problems associated with bird infestation are avoided.



## Why Marley Viridian Clearline Fusion?

### Economical for New Builds

Save on roof coverings, as our system becomes part of the roof cover!

### Rapid

Installation times of less than 1 hour per kilowatt-peak are easily attainable. Our patented connection method means that panels are simply pushed together to create a weather-tight and secure fixing.



### Compact

Industry-leading panel spacing. The gap between rows is only 5mm. Columns are spaced by 30mm.

### Sleek

Invisible clamps give an uncluttered aesthetic. Panel spacing is automatically set to give consistently accurate shut-lines.

### Simple

Fusion achieves exceptional fire performance, wind resistance and weather tightness without extra roof battens, adhesive flashing rolls or fire proofing materials. Everything you need is right there in the kit.

### Robust

Certified wind resistance is more than four times higher than competitor products.

### Universal

Works with all commonly used tiles and slates, including slate over sarking.

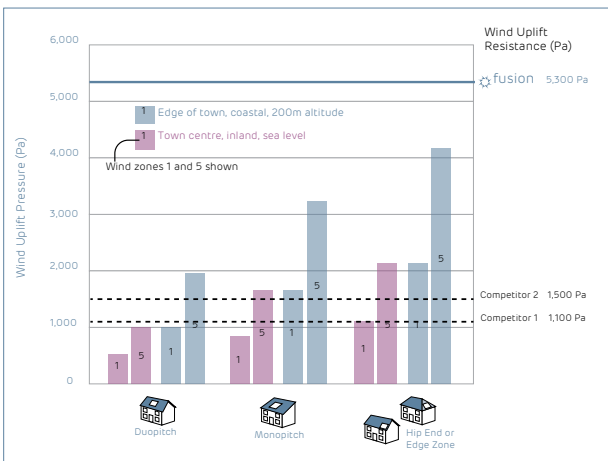
## Specification

Thickness	mm	69
Static roof loading (distributed)	kg / m <sup>2</sup>	12.9
Characteristic Wind Resistance	kPa	5.32
Ultimate Design Load <sup>1</sup>	kPa	5.32
Fire Rating to BS 476-3		AA
Standards		MCS012
Roof pitch		20 - 60°
Compatible roof coverings	Plain tile, Interlocking tile, Natural and artificial slate	

<sup>1</sup> Design resistance to ultimate loads includes a partial material safety factor of 1.0



## European Building Regulations

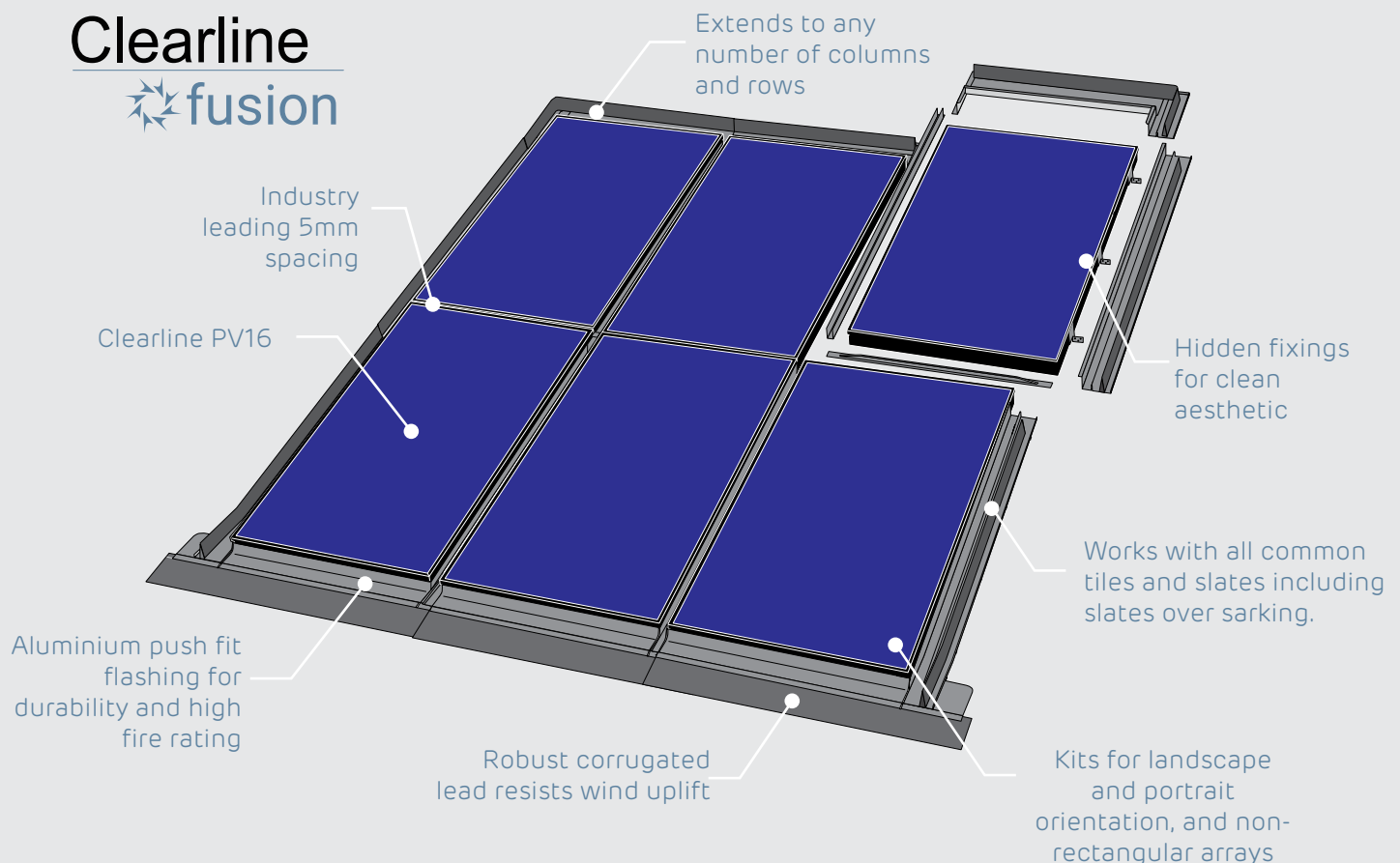


The certified wind resistance for Clearline Fusion is more than four times higher than competitor products and ready for even the most exposed locations (see chart).

Clearline Fusion is the only roof-integrated solar system accredited with the highest resistance to spread of flame and fire penetration in all European fire safety tests, achieving B Roof T1, T2, T3 and T4.



## Clearline fusion







Marley Approved Installers & helpful tools?

Contact us: 010 600 0284

Email: [info@marley.co.za](mailto:info@marley.co.za)

Visit our website: [www.marleyroofing.co.za](http://www.marleyroofing.co.za)  
or scan this QR code!

Follow us!



### Viridian Solar

Viridian Solar is a manufacturer of roof integrated solar photovoltaic roofing systems. Based in Cambridge, UK the company has a track record of innovation spanning more than a decade.

Since it was founded by engineers from the university, Viridian Solar has established a strong reputation around the world for the durability, aesthetics and quality of its products.