Data sheet

Marley SolarTile®

Marley SolarTile® 335W photovoltaic panels offer the genuine cost-saving benefits of using renewable energy to help power our homes, along with sleek aesthetics and long-lasting, maintenance-free performance.



- Integrated with full Marley roof system and all tile types
- Renewable energy to reduce household bills
- Very low profile and unobtrusive
- Lightweight, compact and simple to install
- Market-leading fire performance*
- Exceptional industry leading wind resistance performance
- 15 year guarantee

15 YEAR
MARLEY ROOFING SYSTEM WARRANTY



* Marley SolarTile® is Clearline Fusion a Viridian Solar product and the only roof-integrated solar system accredited with the highest resistance to spread of flame and fire penetration in all European fire tests.

PITCHED ROOF INTEGRATION

Sleek, low-profile integrated solar that replaces the roof covering for an improved aesthetic and for simple roof maintenance, now at similar cost to above-roof panels.

WIND RESISTANCE

The certified wind resistance for Marley SolarTile®* is more than four times higher than competitor products and suitable for even the most exposed locations.

FIRE

Marley SolarTile®* 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.

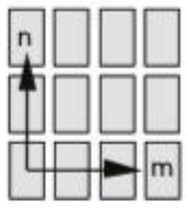
TECHNICAL DATA

Size of PV16 panel	1000mm wide x 1686mm high
Aperture area	1.622m²
Minimum pitch	20°
Maximum pitch	60°
Body thickness (nominal)	69mm
Weight	21.7kg
Static roof loading	12.9kg/m² (distributed)
Characteristic wind resistance	5.32kPa
Ultimate design load**	5.32kPa
Positive design load (IEC 61215)	5.4kPa
Fire rating EN 13501-5	B_{ROOF} (T1, T2, T3, T4)
Authority*	IEC 61215, 61730, TUV, MCS05, MCS12
Compatible roof coverings	All Marley concrete and clay plain, and interlocking tiles. Also compatible with tiles and slates of other manufacturers

** Design resistance to ultimate loads includes a partial material safety factor of 1.0

TYPICAL CONFIGURATION

n x m



x = 260 + (m x 992) + ([m-1] x 30)
y = 505 + (n x 1640) + ([n-1] x 5)

