

RDUK Mystiek Planum Solar Tile

The Aesthetic Energy System

THE ENERGY TRANSITION

IS ON THE HOUSE

PLANUM CONCRETE ROOF TILES AND INTEGRATED SOLAR SYSTEM



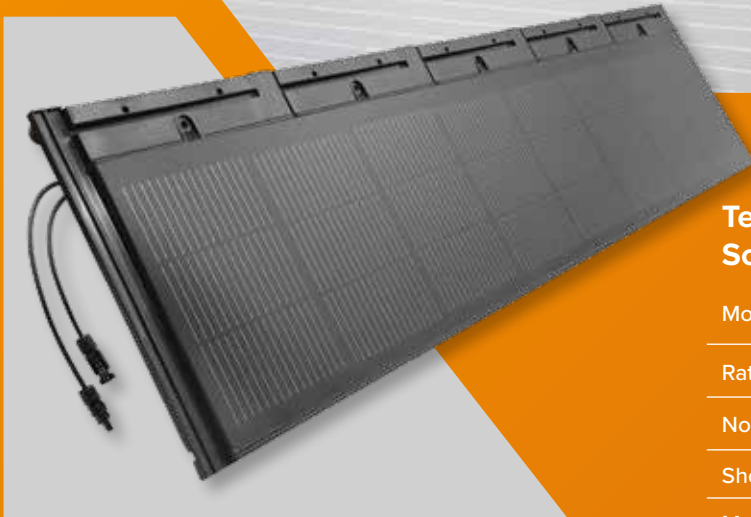
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PLANUM ROOF TILE AND

INTEGRATED SOLAR TILE

Swift and easy
installation with
3 screws



Technical Data: Solinso Mystiek 1500/93Wp

Module performance:	93 Wp
Rated working current (Imp):	12.70 A
No-load working voltage (Voc):	8.63 V
Short circuit current (Isc):	13.42 A
Maximum power voltage (Vmp):	7.33 V
Maximum tested system voltage:	1000 V
Recommended system voltage:	up to approx: 600 V
Temperature coefficient (Voc):	- 0.26 % / °C
Temperature coefficient (Isc):	+0.046 % / °C
Temperature coefficient (Pmpp):	- 0.3 % / °C
Hail resistance	according to IEC 61215 + IEC 61730
Cell efficiency	22.1 %
Module weight	approx: 8.5 kg
Module measures	cover width 5 tiles approx: 1500mm cover length 315mm - 340mm
Roof pitch	25°
Plugs	MC4
Module cable	2 x 4.0 mm ² each 950 mm long
Min. counter batten height/ rear ventilation	min. 30 x 50mm

Characteristics:

- > Modules interlock with PLANUM roof tiles.
 - > Hanging nib and side interlock for swift, easy and secure laying.
 - > Harmonic aesthetics:
Black frame - black cells - black backsheet.
 - > approx: 5.1m² per kWp - approx. 196 Wp/m²
 - > Delivered as a ready to install unit.
 - > Only 3 screws per module.
 - > 25mm variable cover length.
 - > Product guarantee: 10 years
- Performance guarantee:
10 years 90 % of rated performance
25 years 80 % of rated performance

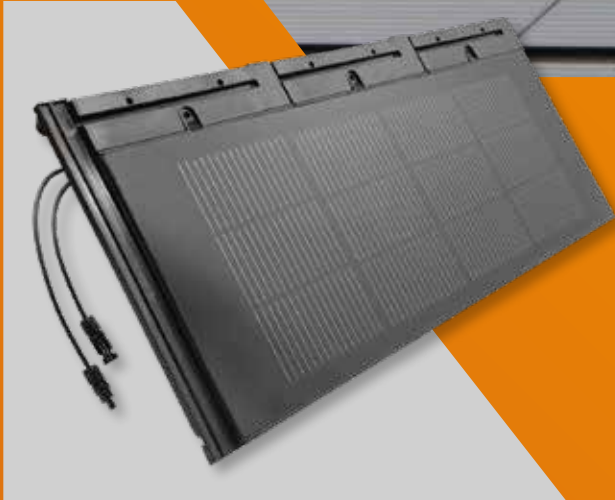
STC: Intensity of radiation 1.000 W/m², module temperature 25 °C,
airmasses = 1.5. June 2024 · technical information subject to change.

New Planum PV Red Solar Tile
matches and interlocks perfectly
with our Cayenne Red and Rustic
Concrete Roof Tiles.



“The integrated solar panel roof tiles are both a roof covering and electricity generating solution”

Swift and easy installation with 2 screws



Characteristics:

- > Modules interlock with PLANUM roof tiles.
- > Hanging nib and side interlock for swift, easy and secure laying.
- > Harmonic aesthetics:
Black frame - black cells - black backsheet.
- > approx: 6.2m² per kWp - approx. 162 Wp/m²
- > Delivered as a ready to install unit.
- > Only 2 screws per module.
- > 25mm variable cover length.
- > Product guarantee: 10 years
Performance guarantee:
10 years 90 % of rated performance
25 years 80 % of rated performance

Technical Data: Solinso Mystiek 900/46Wp

Module performance:	46 Wp
Rated working current (Imp):	12.70 A
No-load working voltage (Voc):	4.31 V
Short circuit current (Isc):	13.42 A
Maximum power voltage (Vmp):	3.62 V
Maximum tested system voltage:	600 V
Recommended system voltage:	up to approx: 600 V
Temperature coefficient (Voc):	- 0.26 % / °C
Temperature coefficient (Isc):	+0.046 % / °C
Temperature coefficient (Pmpp):	- 0.3 % / °C
Hail resistance	according to IEC 61215 + IEC 61730
Cell efficiency	22.1 %
Module weight	approx: 3.2 kg
Module measures	cover width 3 tiles approx: 900mm cover length 315mm - 340mm
Roof pitch	25°
Plugs	MC4
Module cable	2 x 4.0 mm ² each 950 mm long
Min. counter batten height/ rear ventilation	min. 30 x 50mm

STC: Intensity of radiation 1.000 W/m², module temperature 25 °C, airmasses = 1.5. June 2024 · technical information subject to change.



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Please note: Roof should be counter batted for installation and ventilation

RDUK Mystiek Solar Tile

All in one continuous integration of solar energy and roof tiles. Our Mystiek solar roof tile fit seamlessly with our RDUK *Planum concrete flat roof tiles.

The solar panels interlock perfectly and are virtually invisible, with subtle attractive looks, created to meet the various requirements of the housing market.

The solar roof tiles are made from quality materials which have been specifically selected and tested.

All RDUK Mystiek Solar Roof Tiles must be screwed into the underlay roof tile batten via the screw holes and anchored with one tile clip.

The simple and quick installation makes the solar roof tile ideal for both new build and renovation projects.



Tiles are supplied with simple to use standard "Plug In" MC4 connectors

Warranty & Certification

RDUK Mystiek Solar Roof Tile has been tested to standard EN 7250: Solar energy systems - Integration in roofs and facades - engineer aspects and is MCS certified.

UV testing according to double ECE R110 automotive test - sunlight exposure

Wind load test according to EN 14437: 2004

Snow load test according to EN 1991-1-3

Water resistance test according to EN 2778

Fire safety test according to EN 6063, see NPRCEN / TS 1187: 2012

Electric power generation guaranteed for 25 years from the date of installation;
80% initial performance according to IEC 61215: 2004

Construction and electrical safety guaranteed according to IEC 61730-1: 2007 and IEC 61730-2: 2004

*As per European trademark Nr7287956, filed on 2nd October 2008, the Trademark PLANUM belongs to La Escandella. It is Dachziegelwerke Nelskamp as authorised licensee of the owner allowed to use the mark PLANUM for its concrete product.

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