

*PLANUM CONCRETE ROOF TILES

INTEGRATED SOLAR SYSTEM

Crest Solinso Mystiek Solar Tile

The Aesthetic Energy System

www.crest-bst.co.uk

crest
NELSKAMP
ROOFING TILES



Building Integrated PV Modules

Engineered to fit quickly and easily with your roof tiles.



Solinso Mystiek Solar Tile used with Crest
*Planum roof tiles in Onyx Black

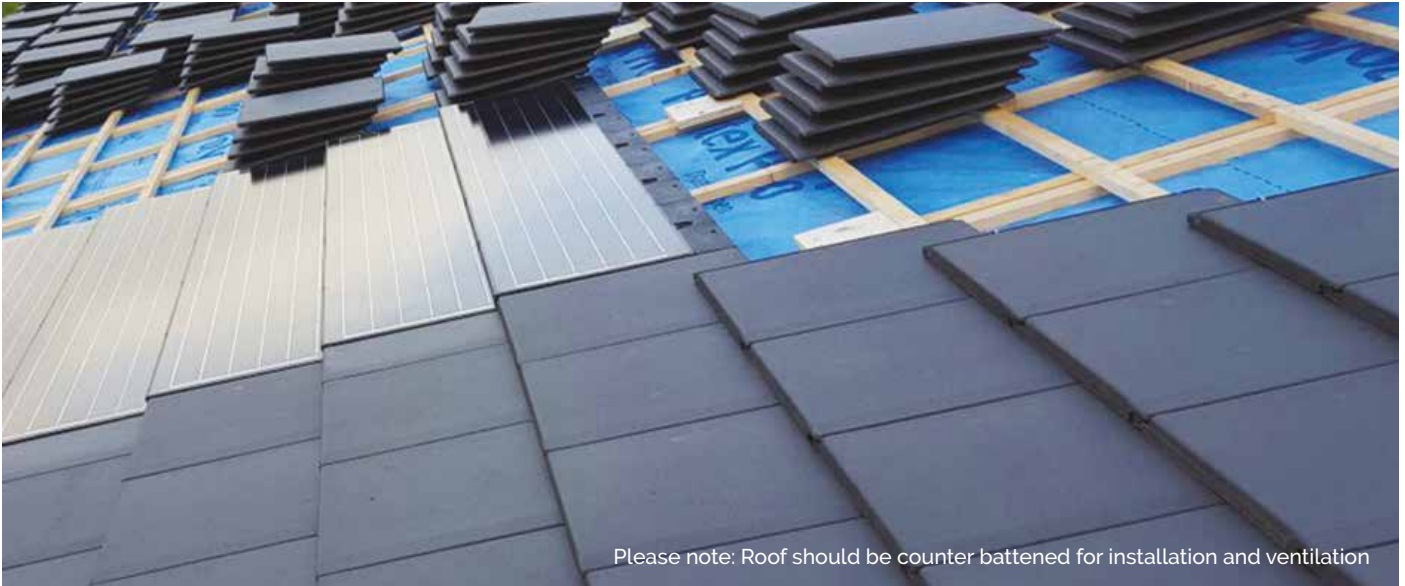
**QUICK
AND EASY
INSTALLATION
WITH 2-3
SCREWS.**

*“A quick & easy to fit system that works seamlessly with the Crest *Planum flat concrete roof tiles offering a state of the art solution on the completed roof”*

Warranty & Certification

The Solinso Mystiek Solar Roof Tile has been tested to standard EN 7250: Solar energy systems - Integration in roofs and facades - engineer aspects.

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



Solinso Mystiek Solar Tiles

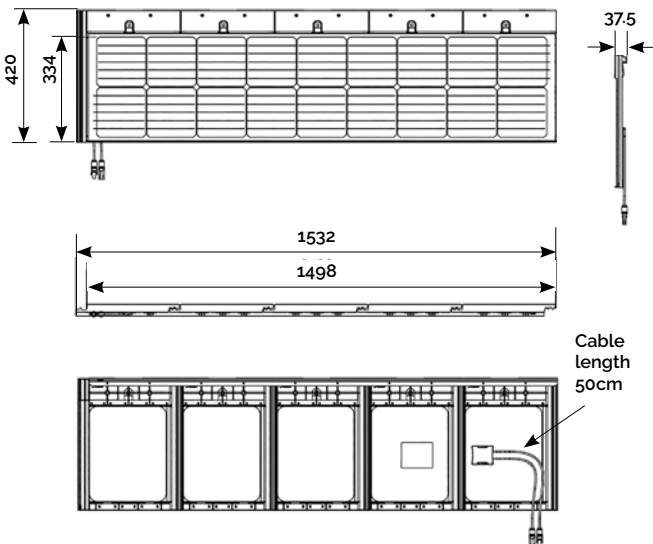
All in one continuous integration of solar energy and roof tiles. The Solinso Mystiek Solar roof tile fit seamlessly with our Crest *Planum concrete flat roof tiles.

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

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

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

Solinso Mystiek Roof Tile Diagram



Tiles are supplied with standard MC4 connectors

Characteristics:

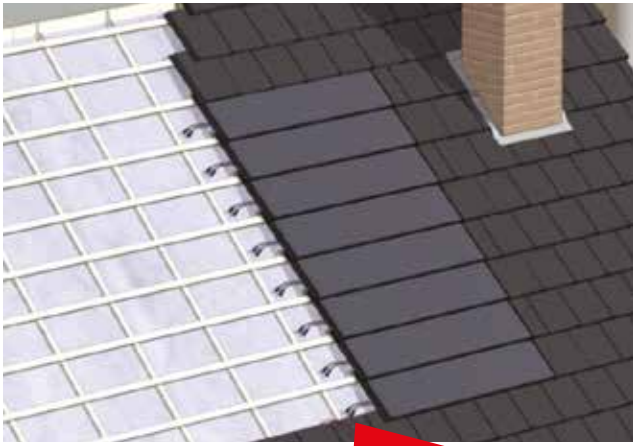
- Modules interlock with the roof tiles.
- Optimal solar return with highly efficient monocrystalline solar cells.
- Harmonic aesthetics:
Black frame - black cells - black backsheet.
- Cell efficiency 22.1 %
- ca. 5.3m² per kWp - ca. 188 Wp/m²
- Delivered as a ready to install unit.
- Only 3 screws per module.
- 15mm variable cover length.
- Product guarantee: 10 years
Performance guarantee:
10 years 90 % of rated performance
25 years 80 % of rated performance

Compatible Crest Roof Tiles

The Solinso Mystiek Solar Roof Tile is compatible with:

Crest Nelskamp Planum*	Concrete
Crest Nelskamp Planum* Duo	Concrete

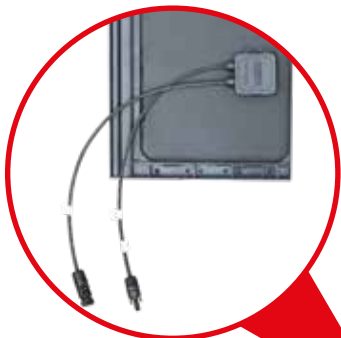
*As per European trademark Nr.7287956, filed on 2nd October 2008, the Trademark PLANUM belongs to La Escandella. It is Dachziegelwerke Nelskamp as authorised licensee of the owner allowed to use the mark PLANUM for its concrete product.



Simple to use MC4 connections



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



Rear view of the "Plug in" easy to fix MC4 connections

Technical Data: Solinso Mystiek 1500/93Wp/G1	
Module performance	93 Wp
Rated working current (Imp)	9.17 A
No-load working voltage (Voc)	12.25 V
Short circuit current (Isc)	9.63 A
Maximum power voltage (Vmp)	10.14 V
Maximum tested system voltage	1000 V
Recommended system voltage	up to ca. 600 V
Temperature coefficient (Voc)	- 0.30 %/°C
Temperature coefficient (Isc)	+0.06 %/°C
Temperature coefficient (Pmpp)	- 0.39 %/°C
Hail resistance	according to IEC 61215 + IEC 61730
Cell efficiency	22.1 %
Module weight	8.5 kg
Module measures	cover width 5 tiles ca. 1500mm cover length 325 mm - 340 mm
Min. roof pitch	≥ 25° (20° - 24° on request, half bond tiling recommended)
Plugs	MC4
Module cable	2 x 4.0 mm ² each 550 mm long
Min. counter batten height/rear ventilation	25 mm

STC: Intensity of radiation 1.000 W/m², module temperature 25 °C, airmasses = 1.5
November 2022 - technical information subject to change. (Oct 2023)



Solinso Mystiek Solar 1500/93Wp/G1 5 tile panel, with black frame - black cells and black backsheet

Also available in a shortened version for fittings of 2 tiles 600/31Wp/G1

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