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eTile Flat

Installation process requires the following steps:

1. Roof structure preparation:

- Installing the membrane
- Installing battens and counter-battens (minimum 40x60mm)
- Distance between battens: 240mm

2. Cable system installation:

- Installing cable trays (100x35mm vertical and 150x35mm horizontal)
- Installing return cables
- Connecting to grounding

3. Panel installation:

- Starting from right to left
- Successive connection of panels
- Ensuring tightness between panels
- Following the electrical connection scheme

eTile Flat

170 W/m²

This is an innovative solar roof system that integrates photovoltaic modules with folded sheet metal. It combines the functionality of a traditional roof with solar energy production, offering an aesthetic and efficient solution for modern buildings.

Height	2100 mm
Width	475 mm
Thickness	30mm
Material	Conical glass based on coated metal sheet
Coating	Two layers with a thickness of 5 0 microns
Minimum roof slope	15 °
Module efficiency	170 W
Connectors	MC4

eTile Flat Half

80 W/m²

Useful at the bottom and top edges of the roof. Perfectly completes the roof and increases the generated yield where a large module would not fit.

Height	1100 mm
Width	475 mm
Thickness	30mm
Material	Conical glass based on coated metal sheet
Coating	Two layers with a thickness of 5 0 microns
Minimum roof slope	15 °
Module efficiency	80W
Connectors	MC4

Colors and Variants

Basic Black

Pure Black

Anthracite

Gray

Red Brick

Electrical Parameters	Basic Black		Pure Black		Anthracite		Grey		Red Brick	
Power (Wp)	170	76,5	124,1	55,84	170	80	102	45,9	102	45,9
Maximum system voltage(V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Safety (A)	10	10	10	10	10	10	10	10	10	10
Power tolerance	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%
Maximum voltage Vmpp(V)	22,14	10,5	22,13	10,5	22,13	10,5	22,13	10,5	22,13	10,5
Maximum power current Impp(A)	7,78	7,78	5,67	5,67	7,43	5,68	4,67	4,67	4,67	4,67
Open circuit voltage (V)	26,3	12,4	26,3	12,4	26,3	12,4	26,3	12,4	26,3	12,4
Short-Circuit Current (A)	7,72	7,72	5,64	5,64	7,82	7,82	4,63	4,63	4,63	4,63

Technical Data Sheet of eTile Flat

eTile Flat

eTile Flat is available in 5 standard color variants, which differ both in the color of the glass and the color of the metal sheet. Due to the technology used, the variants also differ in the power output, which is lower in the case of colored glass with reduced translucency. The detailed electrical parameters are presented in the tables.
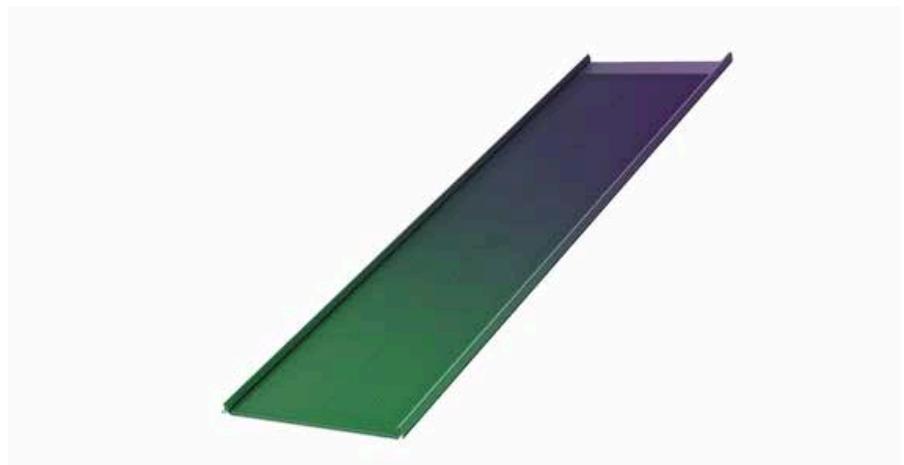
	Basic black	Pure black	Anthracite	Gray	Brick Red
Active Panel	170 Wp	124 Wp	170 Wp	102 Wp	102 Wp
Half-Active Panel	85 Wp	62 Wp	80 Wp	46 Wp	46 Wp

Custom Colors*

It is possible to produce solar tiles in a non-standard color. Non-standard colors depend on the availability of the metal sheet from the manufacturer.

Modern Construction

eTile Flat is a solar roof tile designed with a minimalist construction approach. Simple shape, long lines, and a glossy surface.

Public Buildings

eTile Flat is perfect for non-standard projects – easy to install on the roof, with the possibility of color customization, and the classic technology based on battens and counter-battens allows flexible adjustment of the installation on the roof.

Modular Houses

Thanks to the lightweight construction, the possibility of free cutting, and the high rigidity of the roof tile with a glass module, the Flat panels are perfect for modular construction.

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