

An aesthetic sunroof!



Do you wish no longer that a roof is disfigured by classic PV panels, then choose for the Sun tiles from Smartroof. These Sun tiles integrates photovoltaic elements in a tile. The Sun tile is aesthetically pleasing, functional, storm-resistant and easy to install.

Belgian development and production!



The Sun tiles from Smartroof are placed on a sloped roof such as the classic tile and can be installed during roof renovations and new constructions. No special underroof is needed.



The **Cerasolpan** needs a tiling batten distance of **40.8** cm from top to top. After placing the tiling battens, tracing the distance of **35.2** cm between the Suntiles can be done. The counter battens need to be minimum 20 mm height for good ventilation and let the connectors go under the battens while connecting.



Now each column is traced at 35.2 cm we can prepare the solar cables (strings) on the under roof. One end will be connected to the string of the Suntiles and the other end of the cable to the Optimizers / inverter inside the building.



Each tile is fixed with a stainless steel screw on the tiling batten. An integrated hook makes that the tiles are holding nicely each other and making the roof homogeneous, airtight and weathers the storm. Total weight of the system is only 18 kg/m²!



The electrical connection between the sun tiles is easy: just click in each other two MC4 connectors and connection is a fact! Each Sun tile has its own bypass diode, when failure of a suntile occurs, the string will not be interrupted.



The further finishing of the roof can be in combination with the flat ceramic tiles from Terreal as the Volnay but also with the Tuile plat from Monier.



Through natural convection , the Suntiles are cooled. Therefore it's important to install a ventilated ridge.

Additionally, you'll also receive energy points for this functional and aesthetical pleasing sunroof !

If needed, you will receive from Smartroof technical assistance during installing the Suntiles on the roof or/and with the electrical installation. The SolarEdge online monitoring will be installed on your Smartphone for free!



Smartroof NV – Ambachtenlaan 28 – 8760 Meulebeke - B

+32 475415140

www.smartroof.be