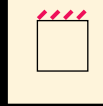


STANDARD PRODUCT



CUSTOM PRODUCT

PROTOTYPE

BRAAS

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SYSTEM DESCRIPTION

The photovoltaic tile developed by BRAAS Dachsysteme GmbH is totally integrated in the roof plane. Its size corresponds to that of a row of four standard concrete tiles.

BRAAS photovoltaic systems are ready-to-use and available in different dimensions. Between 20 (8m²) and 120 (48 m²) modules produce an electrical power of between 700 Wp and 4200 Wp.

Planning expenditures are minimal thanks to the total integration of the system into the roof; all that is needed by the roofer is a simple sketch on the basis of which he can mount the modules. The electrician is only needed to connect the system to the grid.



APPLICATION FIELD

Building type	Any type of residential and commercial building whose roof tilts at 15° or more
Building elements	Photovoltaic roofing element
Mounting technology	Mount onto existing wooden roof sub-construction
PV Module	Made by Pilkington for Braas

AT DEMOSITE

PV Area	8,4 m ²
PV Module	Customized glass-glass laminate (SRT 35)
Power, voltage	35 W, 10,7 V (standard test conditions)
Size	1180 x 370 mm
Connection	3 x 7 modules in series; connectors.

BRAAS

Lafarge Braas GmbH are specialised in roofing materials. They are present mainly on the European market and known for their extremely weather resistant concrete tiles.

BRAAS combined concrete/photovoltaic roofing systems are also very convenient for alpine regions.

SYSTEM TECHNOLOGY

The BRAAS system is composed of:

- a glass/glass module of 18 cells and a power of 35 Watts
- a plastic back case that guarantees water tightness and panel ventilation thanks to a pipe coil
- two stainless steel sections used to fasten the module to the wooden roof battens.

The electric socket connectors supplied with the system allow quick and easy connection. The designers of the system made sure that the mounting time was reduced to a minimum, which considerably reduces installation costs.

