

Sundeck®

State-of-the-art design and engineering



www.solarworld.com

We turn sunlight into power.



A perfect match: Design meets clean energy production

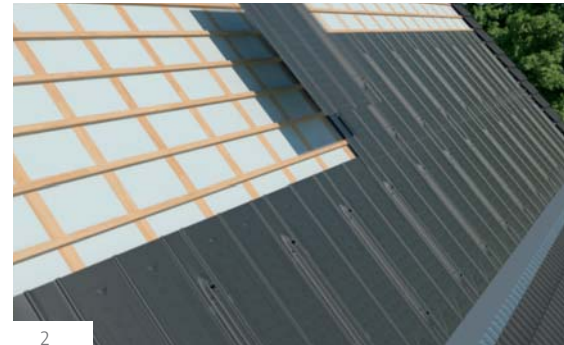
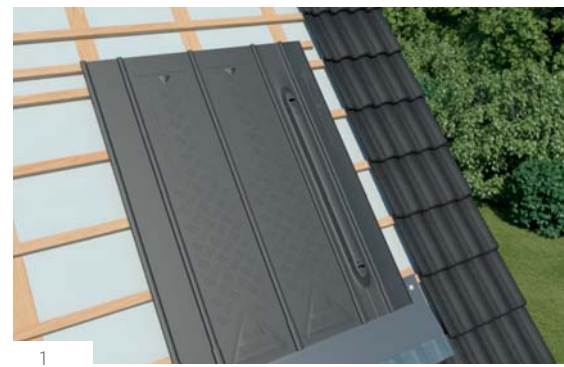
The SolarWorld Sundeck[®] is an innovative in-roof solution for pitched roof areas that meets highest design standards as well as the requirements for a future-proof generation of clean energy. High-quality Sunmodule Plus[®] solar panels ensure a maximum efficiency of the solar power system. Sundeck[®] is a modular system with elements that are directly fixed to the sub-frame of the roof. A similar colouring like the solar panels ensures a harmonic overall picture of the roof and the solar power system.

Sundeck[®] product features:

- › Combines state-of-the-art design and engineering.
- › Unobtrusive integration of the solar power system into the overall picture of the roof.
- › Hardly distinguishable from conventional roof coverings.
- › Ideal solution for new buildings, for an upgrading of existing buildings or for roof renovation.
- › Supplied as complete construction set including solar panels, inverter and pre-assembled cables.
- › Ready-made construction parts ensure easy installation.
- › Meets the requirements for maximum roof impermeability.

New Sundeck[®] 8500
Developed specifically for use
under extreme conditions.

Developed particularly for use under extreme conditions, Sundeck[®]8500 can withstand snow loads of up to 8.5kN/m².



Sundeck® quick installation guide:

Sundeck® is the ideal solution for new buildings, for an upgrading of existing buildings or for roof renovation. It can be easily fixed to any standard roofing battens.

- > The Sundecks are being fixed to the horizontal roofing battens. (1)
- > The Sundecks are being connected to each other horizontally and vertically. (2)
- > The customized fixing parts of the Sundecks ensure an optimum air circulation as well as a solid fixing of the solar panels. (3)
- > The Sunmodule Plus® solar panels are being fixed to the Sundecks with clamps. (4)
- > View of a readily installed Sundeck® solar power system. The intersection of the solar panel area and the standard roof covering is covered with connection plates. The rest of the roof is to be covered with standard roof tiles. (5)

Top quality across all levels of production

The SolarWorld AG Group is a worldwide leader in offering brand-name, high quality, crystalline solar-power technology. Its strength is its fully integrated solar production. From silicon as the raw material through wafers, cells and modules all the way to turn-key solar systems of all sizes, the group combines all stages of the solar value chain. The central business activity is selling quality modules into the installation and distribution trades and crystalline wafers to the international solar cell industry.



Benefits at-a-glance

> German quality standards

Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.

> TUV "Power controlled"

With the new TUV Rheinland test "Power controlled" it is guaranteed that the performance indicated for a Sunmodule Plus® solar panel is being met and that it is regularly monitored by the independent test service provider, TUV Rheinland. This additional security for investors and consumers is a further testament of SolarWorld's commitment to comprehensive quality assurance.

> SolarWorld Plus-sorting

Plus-sorting guarantees the highest system efficiency. Only modules that achieve the designated nominal performance or greater in performance tests are dispatched.

> 25-years linear performance guarantee and 10-years expanded product workmanship warranty*

SolarWorld guarantees a maximum degeneration in performance of 0.7% p.a. for more than 25 years – a clear additional benefit compared with the conventional two-stage industry guarantees. In addition there is a product workmanship warranty that covers 10 years.

* in accordance with the applicable SolarWorld service certificate at purchase | www.solarworld.com/service-certificate



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