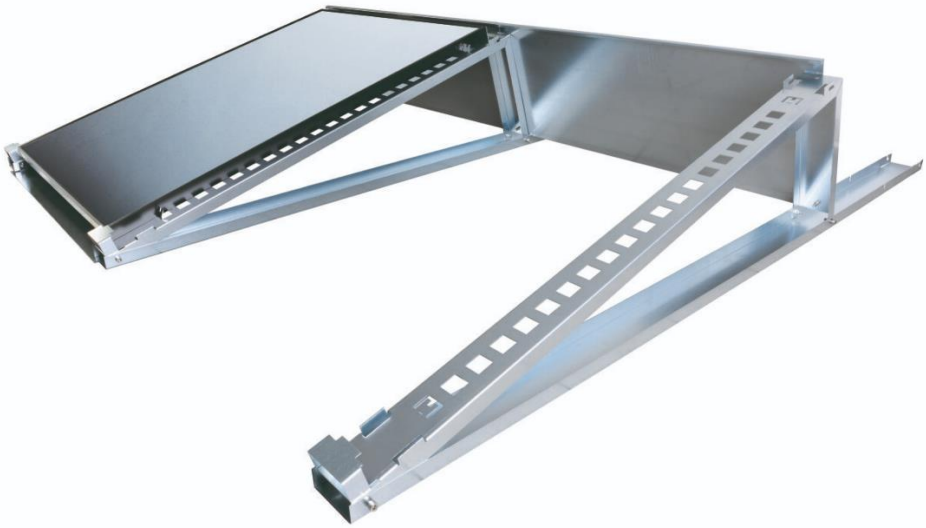
Technical data sheet

Miralux Flex south solar substructure



Manufacturer

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Product description

The Miralux Flex South article is a solar substructure, optimized as a south elevation. This type of mounting is a penetration-free, low-ballast solar substructure for flat roofs with an integrated cable duct along the base support. In addition, the flexible module mount ensures the attachment of various standard panel sizes.

The Miralux Flex systems are designed in such a way that they can be handled in a space-saving manner during transportation and on site.

Thanks to prefabricated, hinged elements, the easy-to-install systems can be assembled in a very short time. Thanks to the modular design of the solar substructures, the systems can also be easily extended at a later date. The structure of our Miralux Flex ensures very good stability thanks to its positive flow behavior, even at high wind speeds.

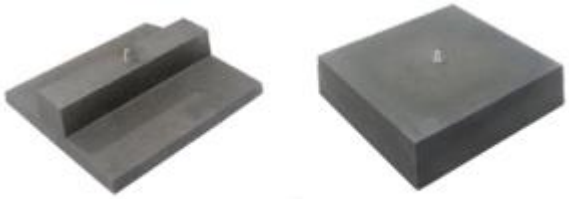
The low weight of our systems reduces the surface load by up to 75 % compared to conventional systems.

The lightning current carrying capacity is proven

The separate construction of the solar substructures, which does not require any penetration of the roof cladding to attach the modules, means that you are not required to provide a warranty for the roof surfaces.

Accessories

We offer two types of polymer concrete ballast stones that can be bolted to the Miralux-Flex south. Depending on the region and the expected wind speeds, we recommend our 16 or 34 kg ballast stones.



Technical specifications

Type of elevation	*Non-penetrative, low-ballast elevation for flat roofs*
Material	*hot-dip galvanized steel with Magnelis® coating, aluminium on request*
Angle	*10° or 15°*
Shading angle	*(Standard 20°)*
Module spacing transverse	*approx. 25 mm*
Integrated cable	*duct (on the base supports)*
Building protection (optional)	*EPDM or needle felt (pre-assembled on request)*
Installation time	*including cabling approx. 12 minutes per kWp (2-man installation)*
Roof pitch	*≤ 5°*

Materials used:

We only use European materials from Germany, Sweden, France and Italy for our solar substructures.

Important notes

For each project, an individual ballasting plan, calculated by an external engineering firm and tailored to the building, can be drawn up.

To ensure proper cabling of the solar substructures, the systems have cable ducts.

It must be ensured that the stability of every structure is guaranteed.

It is important to clarify in advance what special features a roof has in order to determine and statically calculate the optimum fastening of an elevated PV system in relation to the **location,** the building characteristics and the roof structure. The residual load-bearing capacity of a building must also be assessed in advance.

Processing and care instructions

As standard, most framed modules with Miralux can be installed without additional installation material provided by the customer. The solar substructure can be installed quickly with just one tool.

The solar substructures must not be cleaned with strong acids or alkalis.

Further installation and usage instructions as well as information on the material can be found at: https://www.richard-brink.de/en/downloads/overview.html