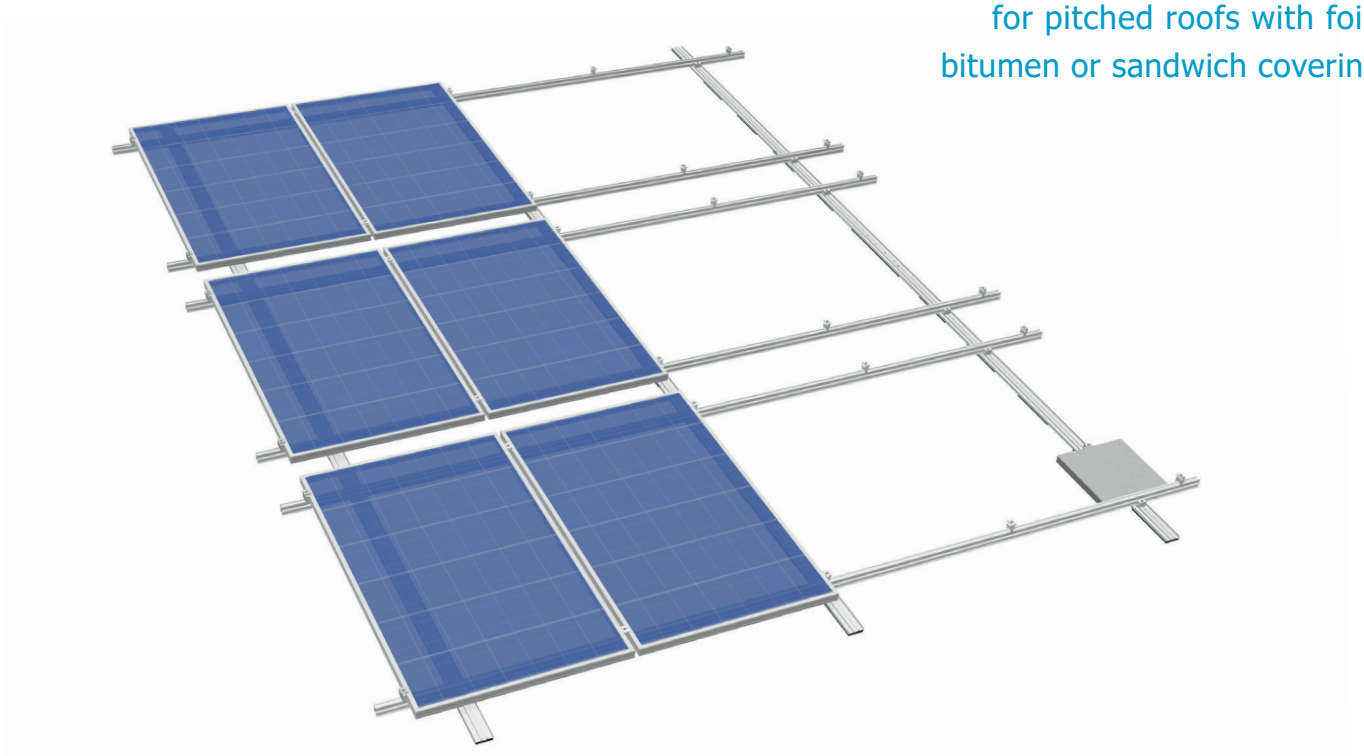
Technical Data

S:FLEX FLAT DIRECT

for pitched roofs with foil,
bitumen or sandwich covering



Fast installation

The light, efficient construction of the S:FLEX Flat Direct with its pre-assembled components and rail lengths, ensures quick installation on roofs with foil, bitumen or sandwich roofing up to 30° inclination – thanks to the aerodynamic design, even without roof penetrations!
The pre-glued foam rubber pads are suitable for use on almost all roof coverings due to their high coefficient of friction, which results in a minimising of ballast.

Minimal load

The S:FLEX Flat Direct is designed to use the minimum of materials so that only a minimum of ballast is necessary. As a result, installation on roofs with small load reserves is possible. Should the ballast become too big, the module can be secured by prompt attachment to the roof.

Optimum yield

The S:FLEX FLAT DIRECT offers excellent rear ventilation as the modules are mounted with gaps between them.

Straightforward individual planning

With our planning tool, you can produce a precise, specific plan for every module location. It will take into account the roof covering and also possible wind and snow loads.
The building structure will not be affected by the mounting system.

Comprehensive module compatibility

Almost all framed modules with normal measurements can be mounted either in portrait or landscape orientation.

High durability

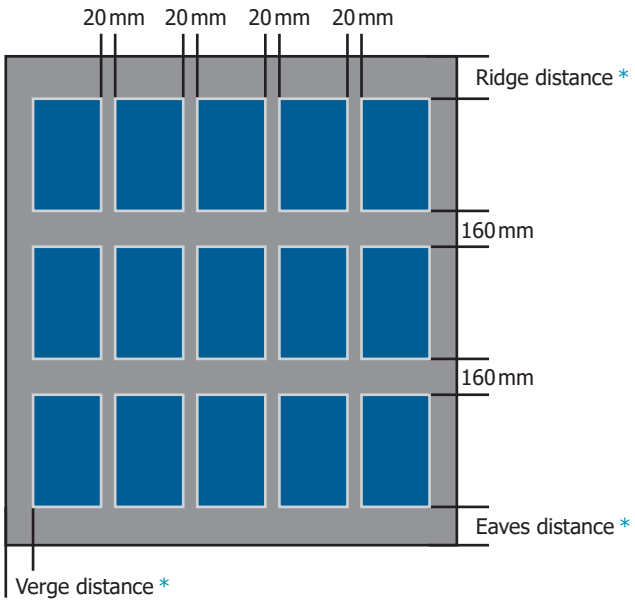
All components of the S:FLEX FLAT DIRECT system are manufactured out of aluminium and stainless steel. Their high corrosion resistance guarantees a maximum life span and offers the possibility of total recyclability.
The foam rubber used for the pads is extremely durable and weather proof.

S:FLEX FLAT DIRECT

for pitched roofs with foil / bitumen / sandwich covering

Technical Data

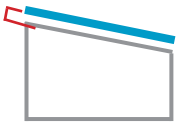
Construction



* Ridge/eaves/verge distance: 350 mm minimum
(The exact values can be found in the planning documents that may specify a smaller minimum distance.)

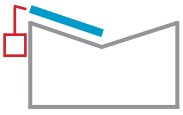
Application	Pitched roofs with foil, bitumen or sandwich roofing, other types of roofing upon request
Fastening	Non-penetrative possible
Roof pitch	Up to 30 degrees
Orientation	Parallel to the roof
PV modules	Framed, all common sizes
Module orientation	Portrait / landscape
Minimum system size	2 rows with 3 modules each / 3 rows with 2 modules each
Building height	Up to 25 m
Snow load	Up to 5.4 kN/m²
Wind load	Up to 2.4 kN/m²
Materials	Extruded Aluminium EN-AW-6063 T6
Small parts	Stainless steel A2 70A
Lightning protection	Optional
Colour	Aluminium, plate finish
Warranty	10 years on durability of materials

Examples of roof types

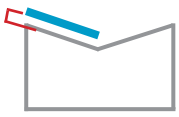


Single pitch roof with ridge connection

Single pitch roof with counterweight

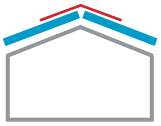


Butterfly roof with counterweight on ridge

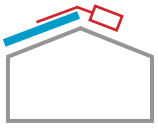


Butterfly roof with ridge connection

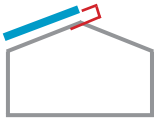
Butterfly roof, double-sided, with ridge connection / counterweight



Saddle roof, double-sided with ridge connection



Saddle roof, single-sided with counterweight



Saddle roof, single-sided with ridge connection

S:FLEX GmbH Germany • Reinbeker Weg 9 21029 Hamburg Phone +49-(0)40-688 93 17-0 Fax +49-(0)40-688 93 17-99 info@sflex.com www.sflex.com