

ConSole+

Technical Datasheet

Flat-roof mounting system for PV Modules

Because of the special aerodynamic design, the **ConSole+** requires low ballasting and can be used on all flat roofs up to 5° inclination and on suitable ground areas.

In the outer rows of a **ConSole+** installation, the **Streamliner+** reduces the oncoming wind loads considerably. With wind load reduction, less ballast is needed enabling the **ConSole+**

to be used on flat roofs with load bearing reserves as low as 15 kg/m².

Optimal load distribution means no concentrated loads on the roof surface and the optimized setting angle of 15° enables minimum distance between rows. Air slots in the upper and lower areas of the **ConSole+** also ensure optimal and constant cooling of the modules.

With such beneficial features, the **ConSole+** sets new standards in the area of PV mounting solutions. The **ConSole+** is the result 15 years of proven and successful PV mounting solutions.

The **ConSole+** is an especially cost-effective PV mounting system due to fast and simple mounting and low costs.



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General

System	Ballasted flatroof system, w/o penetration
Building types	Industrial, agricultural and residential building
Roof types	polymer and asphalt roof
Materials	HDPE and Aluminium
Roof Pitch	min. 0° max. 5°
Product weight	about 6 kg
Ventilation	chimney effect through ventilation slots on the bottom and top parts
Wind deflection	the <i>Streamliner +</i> can be mounted on the edge areas

Modules

Type	framed PV Module
Size	1650 mm – 1710 mm x 950 mm – 1070 mm
Orientation	Landscape
Compatibility	framed PV Modules certified IEC 61215 / 61646 und IEC61730

Installation

Installation time	max. 1 hour (for 10 modules, with 2 experienced installers) - preliminary
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Performance

Wind resistance	up to wind load zone 4
Snow resistance	up to wind load zone 3

Testing and Certification

Wind actions	Tested and calculated according to Eurocode 1 "actions on structures", EN 1991-1-4:2005 (and german appendix)
TÜV	in progress

Services

Product warranty	10 years
Installation Training	yes / on-site upon request
Web configurator	yes (in progress)
Support	telephone and online, on-site
Experience	over 15 years of experience on flat-roof and with HDPE solutions