LaQ07 Laminate
Mounting Instructions

Required tools
Screwdriver with bits:
- Bit hex-head SW6
- Flat wrench / spanner SW15

Corresponding tools
For the selected fasteners

Additional documentation
Structural analysis
Analysis print-out with schematic diagram from the plant calculation

Safety instructions

⚠️ Risk of falling! There is a risk of falling when working on the roof as well as when ascending and descending the building. Accident prevention regulations must be observed and appropriate safety equipment must be in place. PV mounting systems are not suitable as climbing aids or fall protection.

⚠️ Risk of injury! Objects falling from the roof can cause injury to people. The danger area around the installation site must be secured and people present in the area warned of the risks.

⚠️ Risk of breakage! PV modules can be damaged if stepped upon.

⚠️ Risk of electric shock! The mounting and maintenance of the PV modules must be carried out exclusively by qualified specialists. Please observe all safety regulations issued by the manufacturer!
Define the area of installation

- Concentrate the number of fasteners in edge and corner zones.
- Further recommendations are offered in the structural analysis.

Mount fasteners

- Select corresponding distance \( a \) between fasteners for the respective module. Measurement \( a \) is derived from the module width plus 24 mm.
- Distance between fasteners \( b \) should be taken from the structural analysis for fasteners - schematic diagram is displayed in Autokalkulator.
- Further recommendations are offered in the structural analysis (for fasteners).

The number of fasteners required is also dependent upon the properties of the roof - please verify details with the manufacturer!

We recommend the use of a fastener with a slotted hole (e.g. Fix2000 standard). Measurement \( a \) can therefore be optimally adjusted.

LAQ07 can be installed if the distances between module-bearing profiles can be precisely set - e.g. trapezoidal sheet metal roofs, seamed roofs and cross rails.
1. Mount module-bearing profile
   - Feed square-head screws M10x25 into the lower bearing profile and through the slotted holes of the fasteners.
   - Secure with flange nuts M10.

2. Extend module-bearing profile
   - Position next profile.
   - Mount splice E from below.
   - Tighten SW6 screws (pre-assembled)

⚠ Please ensure that sufficient space is left at profile joints for the splice.
1. **Insert square nuts**
   - Feed KlickIn click components into the groove at the required positions.
   - Feed square nuts into the click components and twist through 90° so that the rounded edge is underneath.

2. **Position bearing plate**
   - Insert bearing plates centrally at the selected positions (from Point 4).

3. **Position safety hooks**
   - Position safety hooks on the bearing plates.

4. **Pre-assemble module clamps**
   - Position module clamps
   - Feed screws through module clamps and all underlying components (bearing plate, safety hook) and tighten loosely
   - Use end clamps for the edges and middle clamps between modules
Module mounting

- Guide modules into the clamps
- Push in safety hooks flush to the module
- Clamp spacer® between modules
- Connect the corresponding module cables
- Tighten screws (SW6)

For further information relating to our systems, please refer to our website: www.schletter-group.com under Downloads in the Solar section.