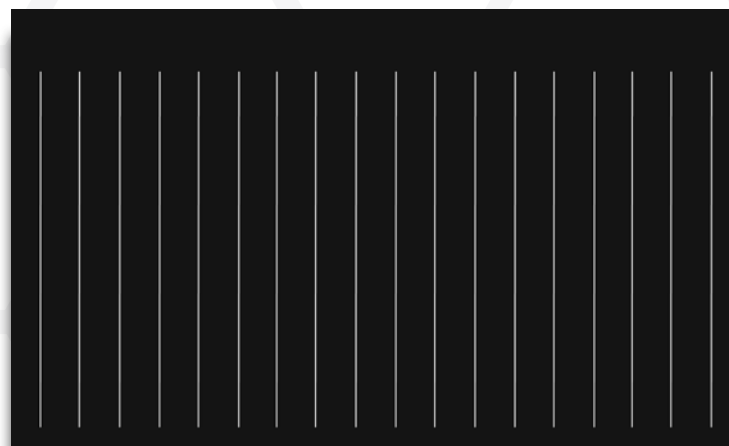


# QUAD100



*The roofing of the future*

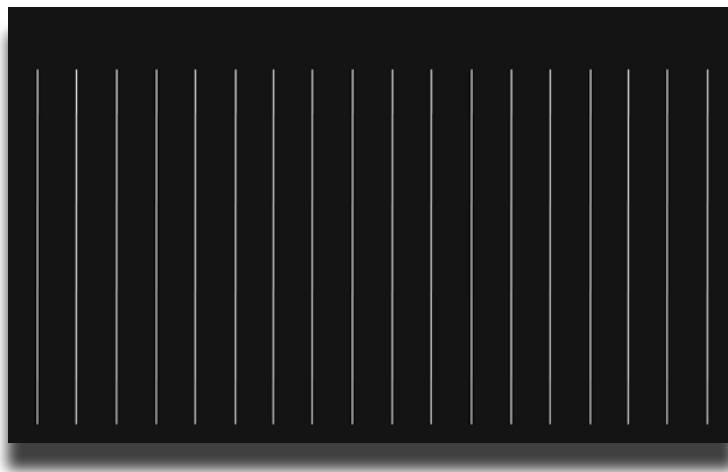
NULL  
CO<sub>2</sub>



# QUAD100 - *The roofing of the future*

*Easy and quick to install, yet highly storm and hail resistant*

*SolteQ is revolutionizing the world of energy generation with clean systems. Our engineers are constantly developing the best and most effective options and also think outside the box. The Quad100 range has a side rebate, like a conventional roof tile. This ensures excellent rain protection in accordance with the technical regulations of the German roofing trade. The extremely stable aluminum storm clips attached to the back ensure a very high level of storm resistance.*



SolteQ-QUAD100x60cm  
Premium-Black



SolteQ-QUAD100x60cm  
Premium-Black-Plus

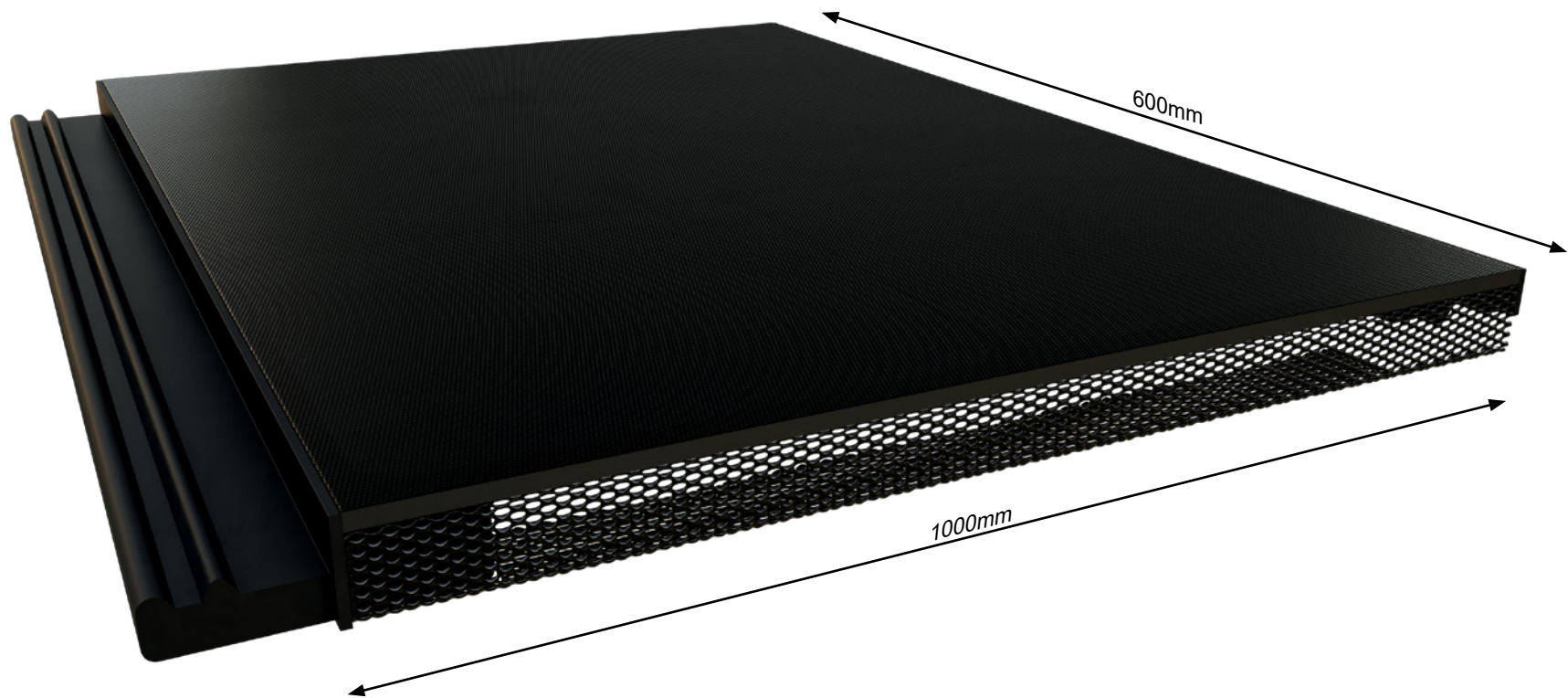
*Values and services are non-binding and can change at any time. Subject to errors and technical changes.*



Installation instructions  
Read the system manual!

Read the installation instructions  
in the system manual!





*Variants - seal:*

*ZGB: With intermediate rubber on battens*

*ZGDD: With intermediate rubber on cladding or metal roof*

*INTERLOCK-B: With rebate profile on battens*

*INTERLOCK-DD: With rebate profile on cladding or metal roof*

*Variants of suspension with battens: - Please specify options when ordering, otherwise the standard version will be delivered -*

*Standard suspension Var.1: Single battens + spring hooks on the back*

*OPTION - Suspension Var.2: Single battens + storm clip below*

*OPTION - Suspension Var.3: Double battens + stable aluminum hooks in the middle on the back + storm clip at the bottom*

*QUAD54 - Wide for snow hooks*

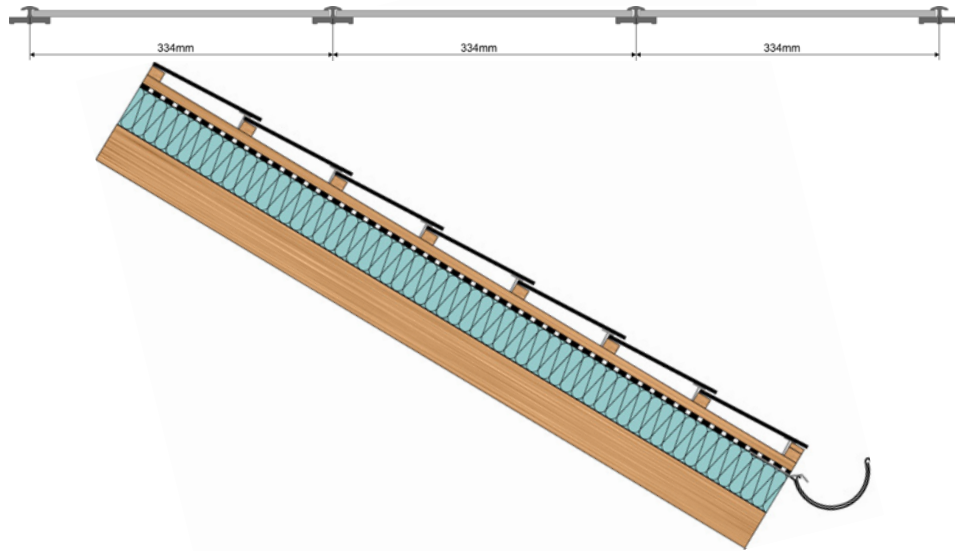
*Suspension Var.3: Double battens + sturdy aluminum hooks in the middle on the back + storm clip at the bottom*

*More detailed description on the following pages*

## Variants - seal

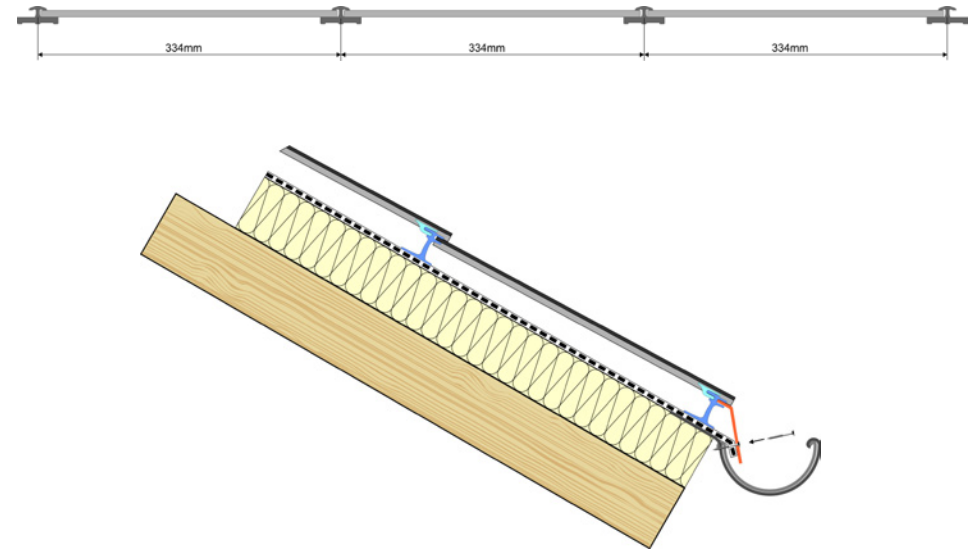
a) With intermediate seal and installation on battens

Type designation: Quad50-ZGB- ...



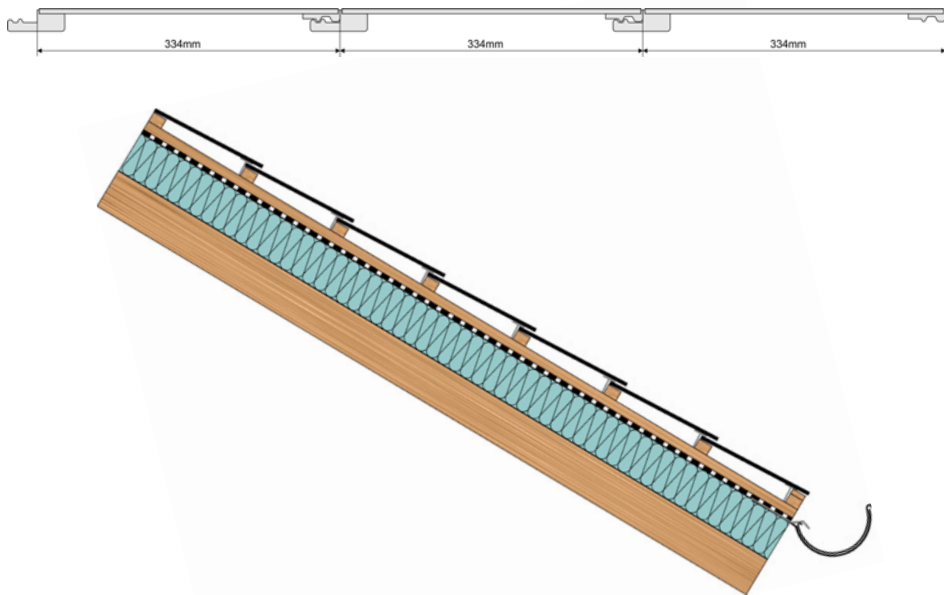
b) With intermediate seal and installation directly on wooden cladding, without battens (Interlock / Direct Deck)

Type designation: Quad50-ZGDD- ...



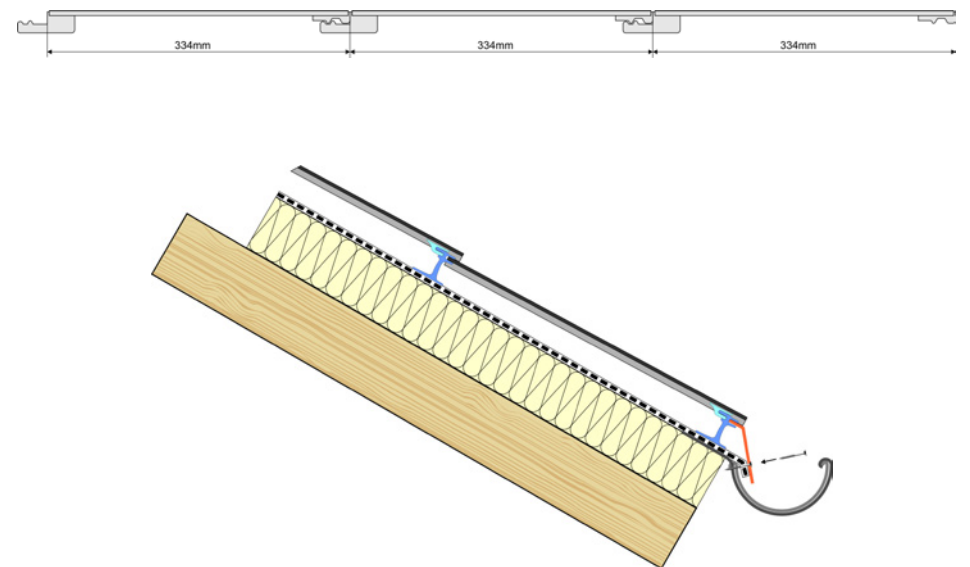
c) With folding profiles and installation on battens

Type designation: Quad50-INTERLOCK-B- ...



d) With folding profiles and installation directly on wooden cladding, without battens (Interlock / Direct Deck)

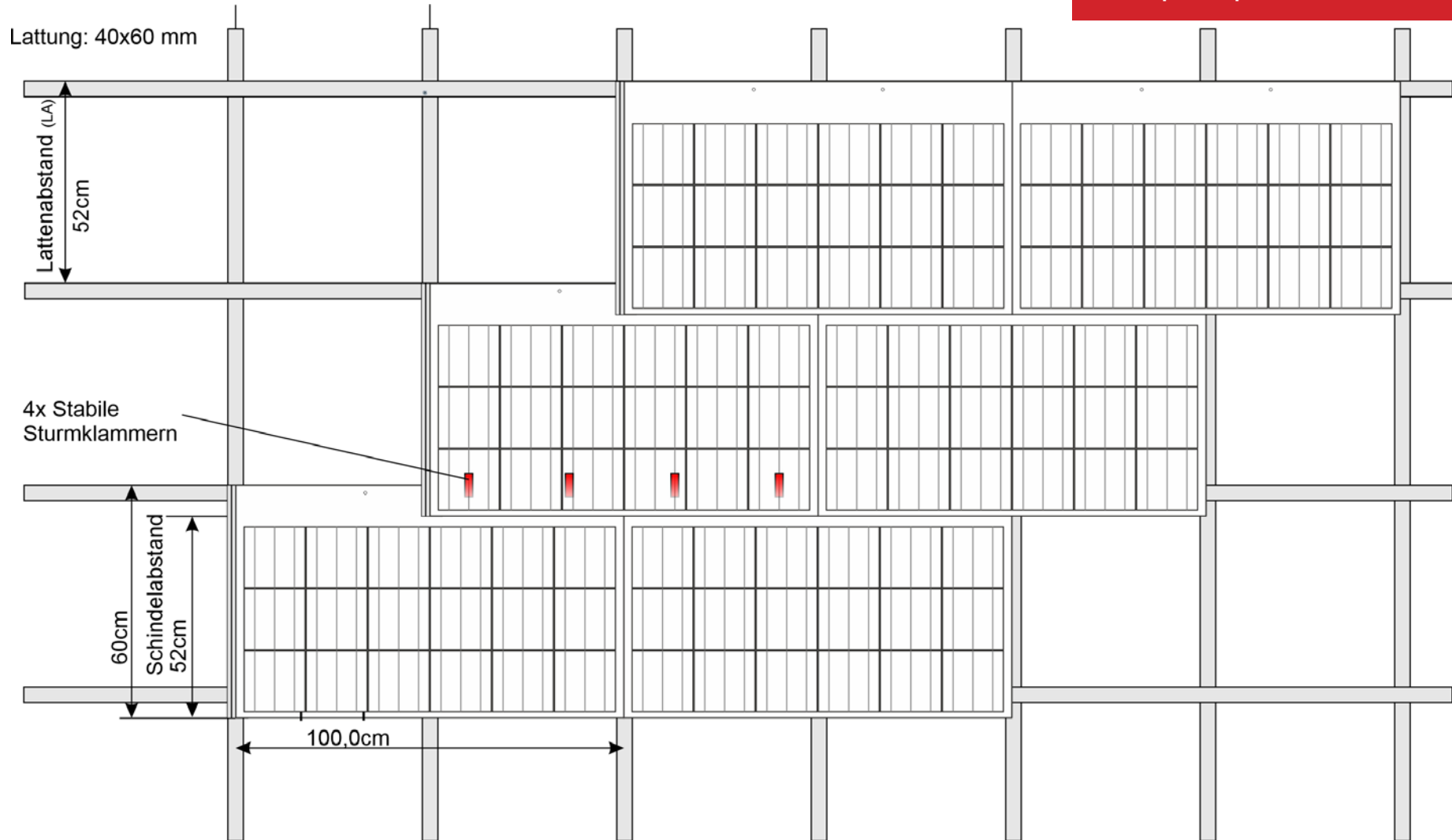
Type designation: Quad50-INTERLOCK-DD- ...



## Laying, standard on single battens - hooks invisible

Single battens + spring hooks on the back

**ECONOMICAL LATTENING**  
Stormproof up to CAT3



Abstände Konterlattung = Achsabstand Schindeln horizontal

Minimal:	50,0 cm
Optimal:	50,0 cm
Maximal:	50,0 cm

Regeldachneigung 22 °

Minstdachneigung 10 °

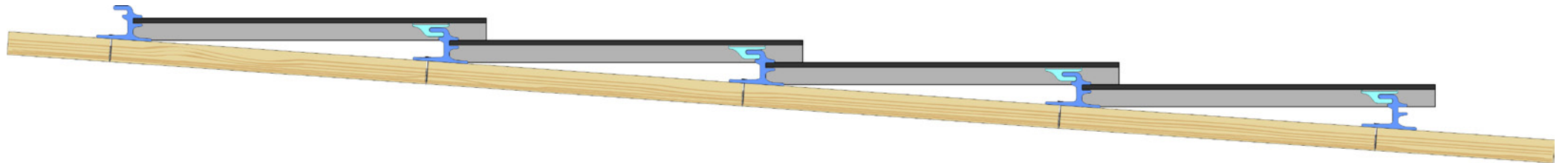
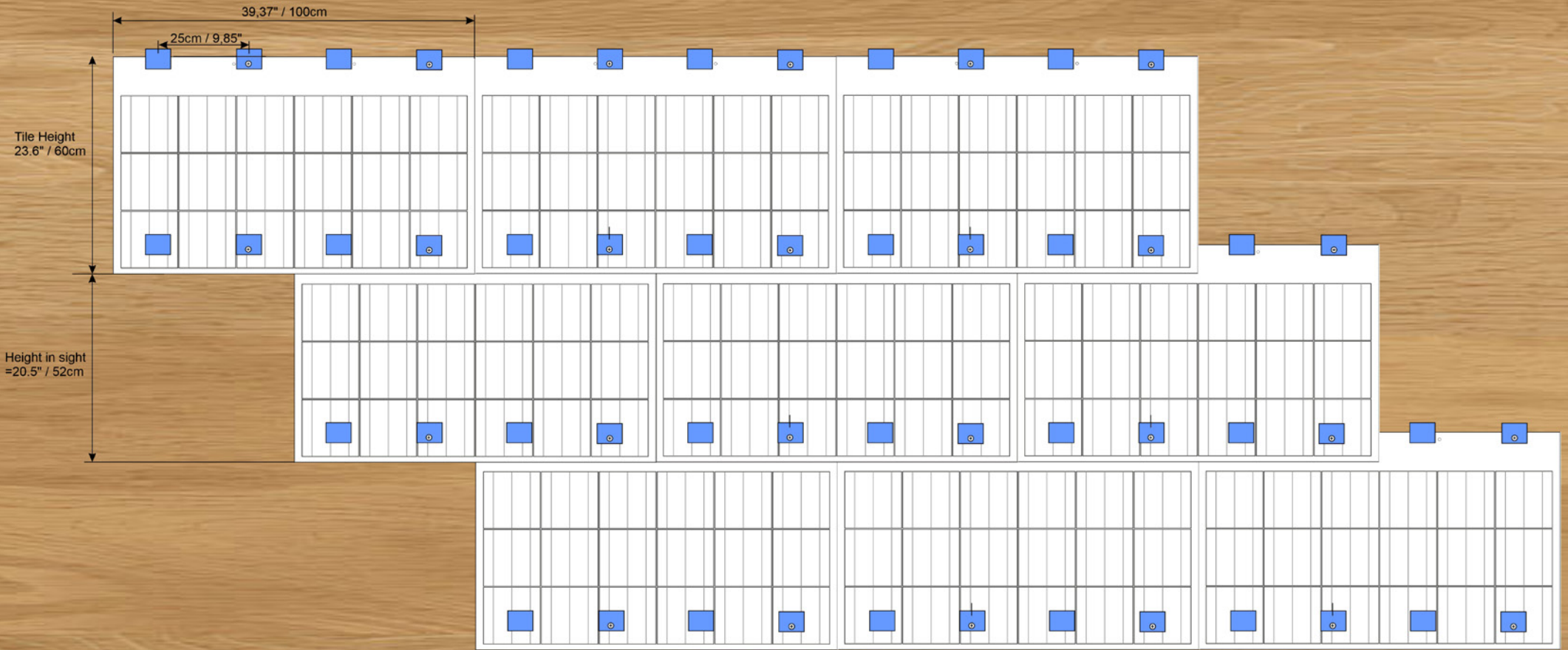
Befestigung über Einhängen + 2x Verschraubung

Menge pro m<sup>2</sup>: ca. 2 St. bei LA = 52cm

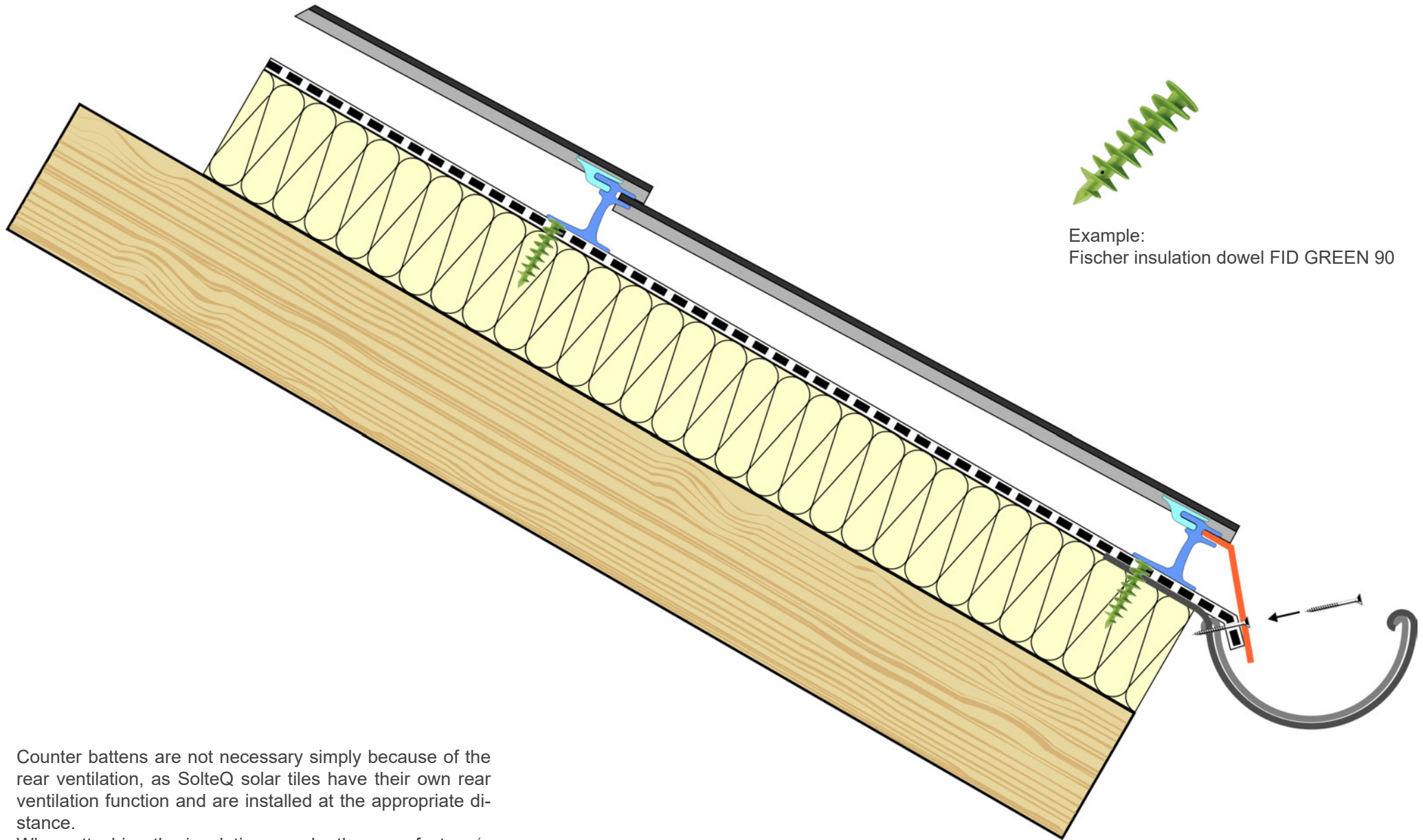
Schnürabstand / Lattenabstand: = Sichtfläche

Minimal:	51,5 cm
Optimal:	52,0 cm - bei 8cm Überlappung
Maximal:	52,5 cm

# Variants - laying on wooden formwork



*Laying directly on top of the rafter insulation  
using insulation dowels and aluminum holders*



Example:  
Fischer insulation dowel FID GREEN 90

Counter battens are not necessary simply because of the rear ventilation, as SolteQ solar tiles have their own rear ventilation function and are installed at the appropriate distance.  
When attaching the insulation panels, the manufacturer's instructions must be followed.

The rafter spacing must not exceed 100cm. As a rule, insulation panels have no load-bearing function. Insulation dowels must be used that do not fall below the locally required suction load per m<sup>2</sup>.

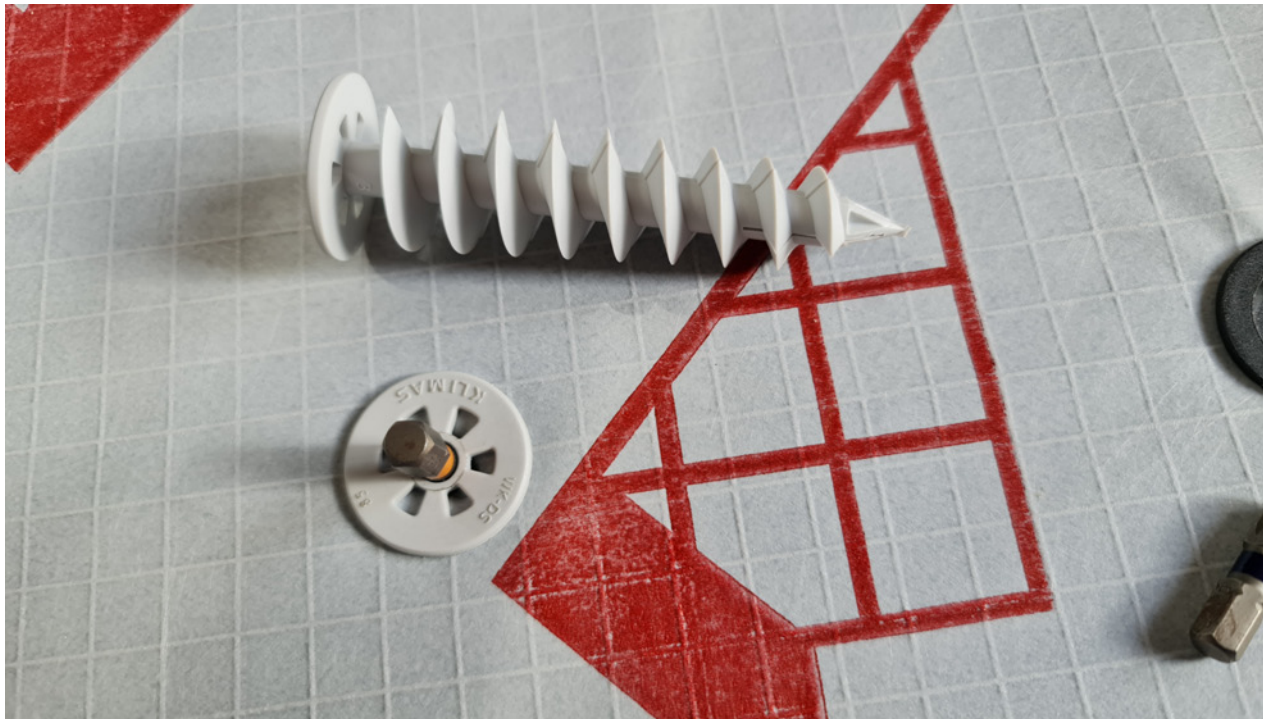
Umrechnung: 1 kN = 102 kg = 1000 N

## Lasten

Dämmstoffdübel FID			
Empfohlene Lasten <sup>1)</sup> eines Einzeldüfels. Lastwerte gelten bei Verwendung von Spanplattenschrauben mit größtem Durchmesser.			
Typ		FID 50	FID 90
Schraubendurchmesser	[mm]	4,5 - 5,0	6,0
<b>Empfohlene Last im jeweiligen Baustoff N<sub>empf</sub><sup>2)</sup></b>			
Styropor	PS 15	[kN]	0,07
Styropor	PS 20	[kN]	0,10

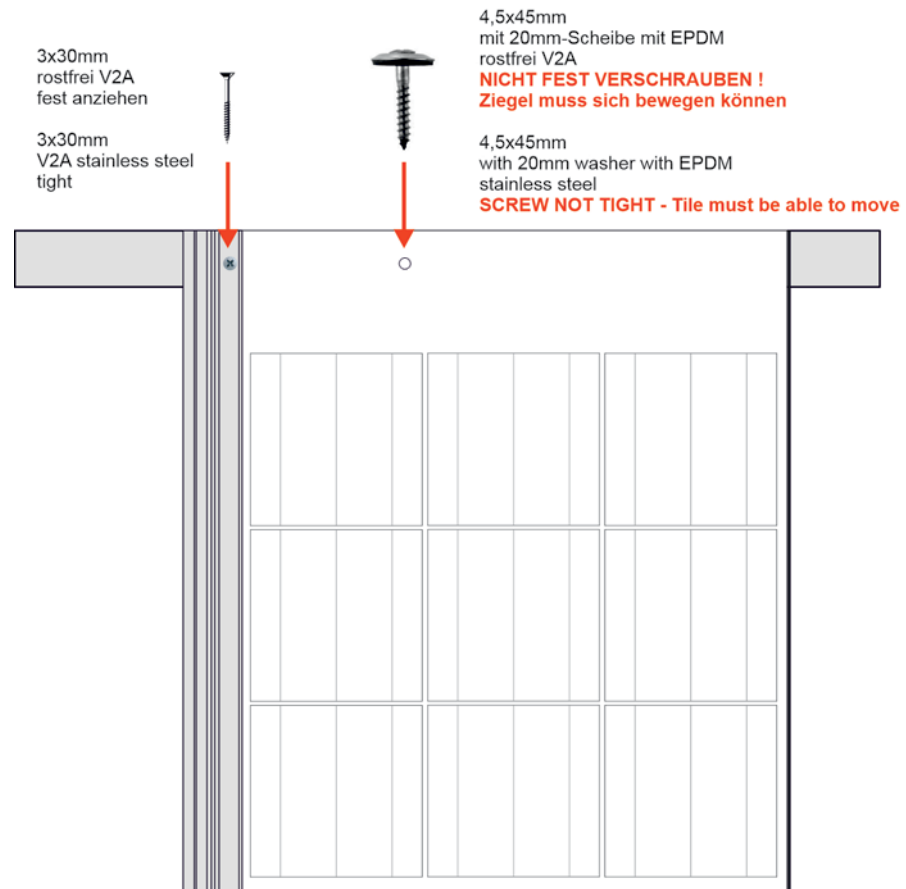
<sup>1)</sup> Erforderlicher Sicherheitsfaktor ist berücksichtigt.

<sup>2)</sup> Gültig für Zuglast.





# Attachment



## Important NOTE:

SOLTEQ solar tiles are rainproof as standard. We recommend using an additional, waterproof, breathable film in the sub-roof.

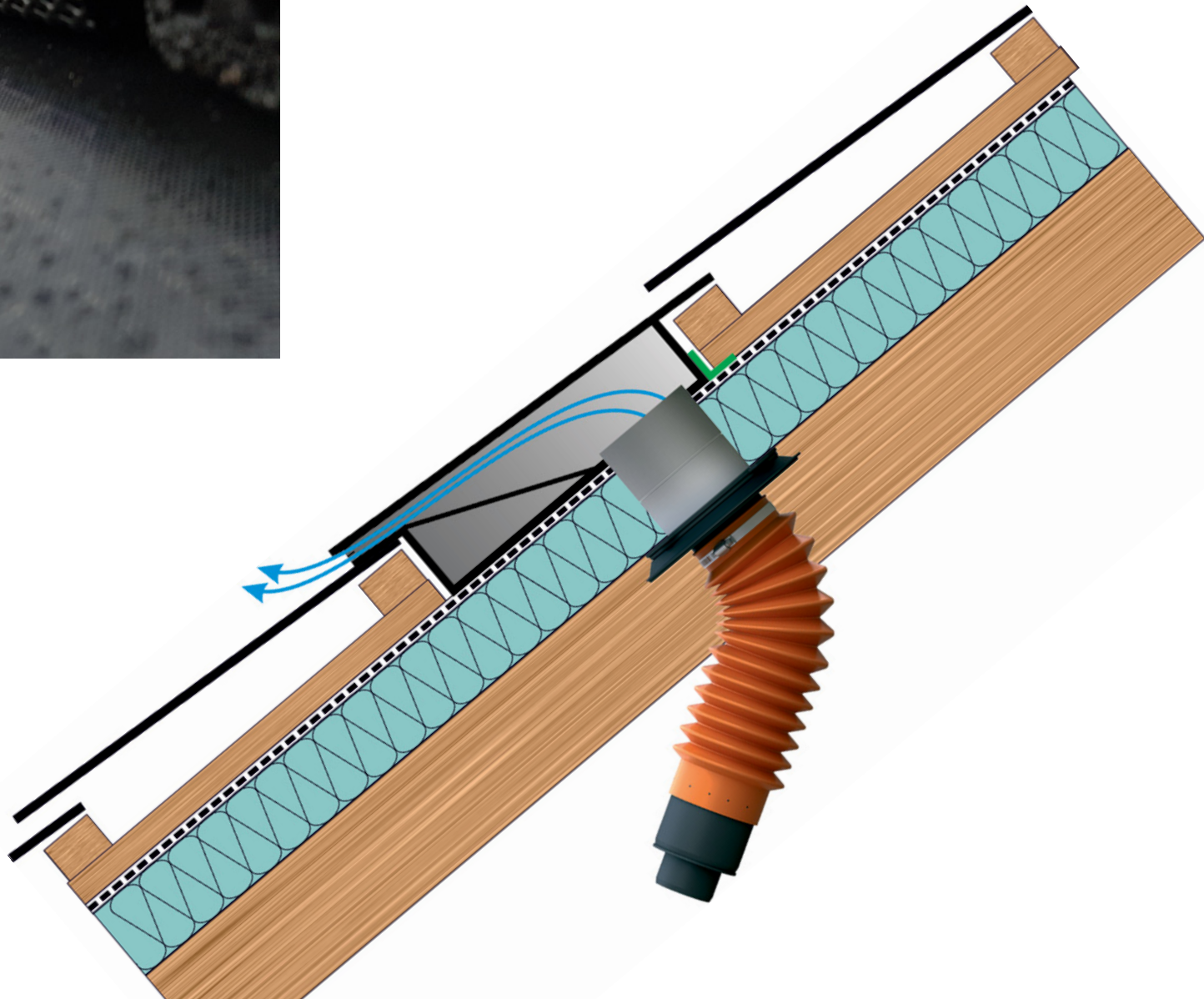


## *Integrated plumbing ventilation Integrated completely invisibly.*

*Condensation water flows outwards through the built-in water supply.  
Available from double size format  
Material: aluminum 3mm  
Minimum roof pitch: 25°*

*SolteQ-SZ-Integrated sanitary ventilation - only for horizontal version -  
Integrated completely invisibly.  
Item no.: 51095*

*Condensation water flows outwards through the built-in water supply.  
Material: aluminum 3mm  
Color: powder-coated in solar tile color  
Minimum roof pitch: 25°  
Connection: flexible pipe, DN100*



## Ventilation elements for exhaust air and supply air

Ready-made ventilation elements for every SolteQ roof shingle variant in the right color for the roof.

### Short fan set DN 100

The ventilation set is completely mounted on the matching roof shingle you have chosen.

- Integrated condensate drainage
- Improved exhaust air values
- Installation parallel to the roof surface, optimized for use with insulation passages
- Available in all colors that match the selected SolteQ roof shingle
- Optionally as a thermally insulated version for more living comfort through optimized sound insulation.



Material: brittle-free, UV-resistant special PVC

Pressure losses with air flow: 4 pa at 15 l/sec, 16 pa at 30 l/sec, 66 pa at 60 l/sec

Ventilation cross section (LQ): 78.5 cm<sup>2</sup>

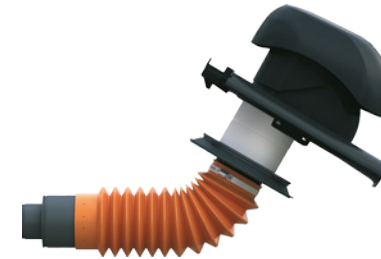
Roof pitch: adjustable

General resistance: resistant to rotting, weather, frost and aging

Temperature resistance: -20°C /+80°C

Building material class: B2

Data sheets and installation instructions can be downloaded at <http://www.kloeber.de>



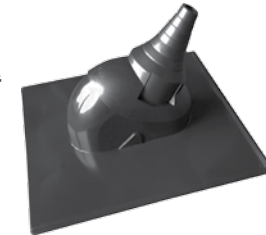
Flex connection hoses Klöber-DN 100

### Universal bushing, e.g. for air conditioning hoses



### Bushing for satellite dish mast

Tilt adjustable



### Lightning protection / surge arrester

To protect against surges, we offer suitable surge arresters for every property, both for the DC system and for the data lines.



### Hooking points

For protection during roof work



### Steps

For mounting on aluminum shingles



## Technical specification

### BASIC DATA AND MECHANICAL CONSTRUCTION

Brick type Quad50 series  
 Cell material mono-/polycrystalline silicon (for color)  
 Cell size (wxh): 156 x 156 mm  
 Brick dimensions (wxh): see variants  
 Weight see table  
 Weight per m<sup>2</sup> see table  
 Delivery: in 1', 3', 6' chains  
 Cooling single module rear ventilation  
 MC 4 connector  
 Connection cables 2x approx. 50 cm, 2.5mm<sup>2</sup>  
 Bypass diodes 1 diode  
 Glass thickness / type of glass approx. 4 mm, prismatic  
 DIN EN 12150-1 | 2019-08, Glass in construction, option: DIN EN 14179-1  
 Toughened safety laminated glass, thermally toughened and hardened  
 Mechanical load 8,500 Pa/m<sup>2</sup> = 8.5kN/m<sup>2</sup> = 850 kg/m<sup>2</sup>  
 Snow load class: 2 (8.50 kN/m<sup>2</sup> = 850kg), snow load class 3 (11.00 kN/m<sup>2</sup>) possible on request.  
 Laminate on the back is UV and weather resistant  
 Roof pitch: pitched roof / flat roof / facade 10 - 90°

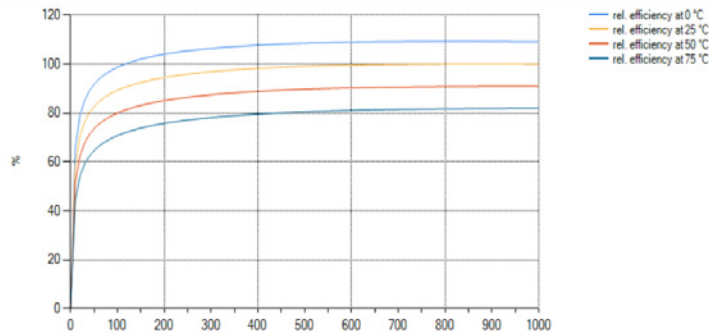
### ELECTRICAL DATA\*

Performance tolerance at STC approx. +/-3%  
 Max. system voltage 1000 V DC  
 Operating temperature range -40°C to +85°C

Material guarantee: 20 years  
 Performance 15 years: 90% of the nominal performance  
 Power 25 years: 85% of nominal power  
 Performance 40 years: 80% of the nominal performance  
 Preliminary Product lifespan >> 50 years with > 85% of nominal power  
 Preliminary Degradation: 1% / 10 years  
 Spare parts guarantee: 30 years  
 Performance guarantee: for monocrystalline cells: 40 years with 80% of the installed power for polycrystalline cells: 20 years with 80% of the installed power

### - DATA SEE TABLE -

Zellen: Mono / PERC



### TEMPERATURKOEFFIZIENTEN

UOC - 0,06 ± 0,02% / K  
 ISC + 0,022 ± 0,0015% / K  
 PMPP - 0,08 ± 0,05% / K  
 Werte gemessen mit aktiver Hinterlüftung und Standard-Testbedingungen

### Schwachlichtverhalten

Intensität [W/m <sup>2</sup> ]	Vmpp* [%]	Imp* [%]
1000	0	0
900	-0,3	-10
500	-1,94	-50
300	-3,91	-70
200	-6,06	-80

Die elektrischen Daten gelten bei 25 °C und AM 1,5 (IEC 60904-3 ed.2 2008).

### DATA SAFETY FIRE SHUTOFF BFA (option) - see separate data sheet -

Number of modules no restriction  
 Exams carried out by: TPS Intercert, RETI  
 Detector specification: EN54-11, Type B  
 Tested according to standards: VDE0100-537, or IEC60364-5-537\_VDE0100-537 and E VDE-AR-E 2100-712:((2010-09))

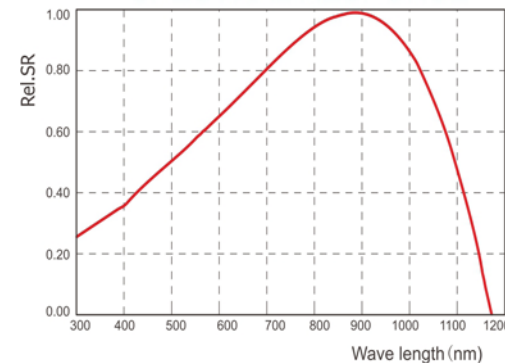
### CERTIFICATES / Warranty - Solar Roof Shingle -

Certificates CE, TPS Intercert (Technical Testing Center for Solar Technology), RETI, IEC61215, Safety IEC EN 61730, Salt corrosion tested IEC EN 61701  
 UL 61730, TAS 100, TAS 107, ASTM E108 Class "C"  
 Wind loads: Highest wind load zone and higher according to DIN 1055-4  
 Rain safety: Rain safety compliant with CEN/TR 15601  
 Frost resistance: 100% frost-resistant, glass does not absorb water or moisture  
 Hail impact test: IEC 61215, hail resistance class 6 (60mm)  
 Ammonia corrosion test: IEC 62716  
 Protection class II, IP65  
 Building regulations: compliant with the rules of the DIBt (MBO) and Rules of the roofing trade  
 Stability compliant with the rules of the list of technical building regulations  
 Fire behavior: flame retardant, Fire Class 1 according to UNI 9177, hard roofing according to DIN4102  
 Breaking behavior: ESG safety glass DIN EN 12150, increased impact and shock resistance, increased bending resistance, small glass fragments (injury-preventing crumb formation).  
 General approval of the assembly device: compliant with CE, CSTB, DIBt, ZVDH, compliant with the Construction Products Regulation (BauPVO)

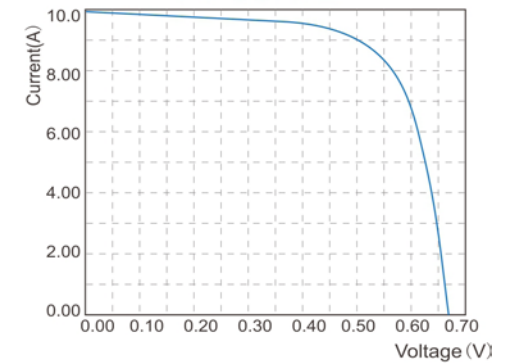
### STANDARD TEST CONDITIONS (STC)

E=1000W/m<sup>2</sup> AM=1.5 T=25°C  
 Fire protection class - PV shingle -  
 Front: solar glass, tempered/prismatic  
 Back: PYE/PET (Polyethylene Terephthalate)  
 Special features: mech. Safety suspension  
 Certificates: Tested according to ANSI/UL94 (Tests for Flammability of Plastic Materials for Parts in Devices and Appliances), IEC60695-2-12/13 + IEC60695-10-2, IEC60112, ISO75-2, ISO527-2, ISO178, ISO179-2, ISO180)

### SPECTRAL RESPONSE



### I-V CURVE



**Danger! All values and performance information in this catalog are guide values and not guaranteed values! The performance of the cells changes from batch to batch and due to constant technical progress. The colors of the delivered products may also differ slightly or greatly from the images. Performance information is a guideline and depends on the final installation and location. The SLV / low light effect depends on the location and location and cannot be guaranteed. You get this performance advantage of up to 20% for free!**

\* This electrical Parameters are typical average values from historical production data. Values and data may vary from production batch to production batch. This also applies to color deviations, reflections, shimmer, shimmer or moirè effects.

Awarded the environmental seal for particularly energy-saving and environmentally conscious technology "The Green Tree"



	item number	Article text short	Uoc / Tile	Umpp / Tile	Isc / A	Impp / A	Efficiency / %	Rated power per tile	Rule quantity per square meter	Rule quantity per kWp	Weight per square meter in kg	Weight per piece in kg	Performance/qm in Wp	m <sup>2</sup> / kWp
SQ	102700	Quad100-ZGB (1000x600mm, Zwischengummi, intermediate sealing, Batten installation)									15,00			
SQ	102701	Quad100-ZGB-Premium-Black-PERC	12,04	4,90	9,93	9,51	22,80%	97,20	2,00	10,3	15,00	7,50	194,40	5,1
SQ	102702	Quad100-ZGB-Premium-Black-Plus-PERC	12,04	4,90	9,93	9,51	22,80%		2,00		15,00	7,50		
SQ	102703	Quad100-ZGB-Premium-Black-passive							2,00		15,00	7,50		
SQ	102704	Quad100-ZGB-Premium-Black-passive-ALU							2,00		15,00	7,50		
SQ	102711	Quad100-ZGB-Slategray	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	15,00	7,50	144,00	6,9
SQ	102712	Quad100-ZGB-Slategray-PLUS	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	15,00	7,50	144,00	6,9
SQ	102713	Quad100-ZGB-Slategray-Passive							2,00		15,00	7,50		
SQ	102714	Quad100-ZGB-Slategray-Passive-ALU							2,00		15,00	7,50		
SQ	102721	Quad100-ZGB-Gray	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	15,00	7,50	132,01	7,6
SQ	102722	Quad100-ZGB-Gray-PLUS	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	15,00	7,50	132,01	7,6
SQ	102723	Quad100-ZGB-Gray-Passive							2,00		15,00	7,50		
SQ	102724	Quad100-ZGB-Gray-Passive-ALU							2,00		15,00	7,50		
SQ	102731	Quad100-ZGB-Brick red	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	15,00	7,50	153,00	6,5
SQ	102732	Quad100-ZGB-Brick red-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	15,00	7,50	153,00	6,5
SQ	102733	Quad100-ZGB-Brick red-Passive							2,00		15,00	7,50		
SQ	102734	Quad100-ZGB-Brick red-Passive-ALU							2,00		15,00	7,50		
SQ	102741	Quad100-ZGB-Terracotta	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	15,00	7,50	153,00	6,5
SQ	102742	Quad100-ZGB-Terracotta-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	15,00	7,50	153,00	6,5
SQ	102743	Quad100-ZGB-Terracotta-Passive							2,00		15,00	7,50		
SQ	102744	Quad100-ZGB-Terracotta-Passive-ALU												
SQ														
SQ		Zubehör									14,00			
SQ	102795	Quad100-ZGB-Fiber/Concrete, colored							4,00		14,00	3,50		
SQ	102796	Quad100-ZGB-Lichtzeile 1fach							4,00		14,00	3,50		
	102798	Quad100-ZGB-Integrierte Sanitär-Entlüftung												
SQ														
SQ														
SQ														
SQ														

**Note: Services and area values are given as a guideline and are subject to change. Different cut variants and batten dimensions result in different values.**

*Technical changes and errors reserved. Similar pictures. Data and performance values are guidelines and can change at any time.*

	item number	Article text short	Uoc / Tile	Umpp / Tile	Isc / A	Imp / A	Efficiency / %	Rated power per tile	Rule quantity per square meter	Rule quantity per kWp	Weight per square meter in kg	Weight per piece in kg	Performance/qm in Wp	m <sup>2</sup> / kWp
	102800	Quad100-ZGDD (1000x600mm, Zwischengummi, intermediate sealing, direct deck install)												
SQ	102801	Quad100-ZGDD-Premium-Black-PERC	12,04	4,90	9,93	9,51	22,80%	97,20	2,00	10,3	14,00	7,00	194,40	5,1
SQ	102802	Quad100-ZGDD-Premium-Black-Plus-PERC	12,04	4,90	9,93	9,51	22,80%		2,00		14,00	7,00		
SQ	102803	Quad100-ZGDD-Premium-Black-passive							2,00		14,00	7,00		
SQ	102804	Quad100-ZGDD-Premium-Black-passive-ALU							2,00		14,00	7,00		
SQ	102805	Quad100-ZGDD-Slategray	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	102811	Quad100-ZGDD-Slategray-PLUS	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	102812	Quad100-ZGDD-Slategray-Passive							2,00		14,00	7,00		
SQ	102813	Quad100-ZGDD-Slategray-Passive-ALU							2,00		14,00	7,00		
SQ	102821	Quad100-ZGDD-Gray	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	102822	Quad100-ZGDD-Gray-PLUS	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	102823	Quad100-ZGDD-Gray-Passive							2,00		14,00	7,00		
SQ	102824	Quad100-ZGDD-Gray-Passive-ALU							2,00		14,00	7,00		
SQ	102831	Quad100-ZGDD-Brick red	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102832	Quad100-ZGDD-Brick red-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102833	Quad100-ZGDD-Brick red-Passive							2,00		14,00	7,00		
SQ	102834	Quad100-ZGDD-Brick red-Passive-ALU							2,00		14,00	7,00		
SQ	102841	Quad100-ZGDD-Terracotta	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102842	Quad100-ZGDD-Terracotta-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102843	Quad100-ZGDD-Terracotta-Passive							2,00		14,00	7,00		
SQ	102844	Quad100-ZGDD-Terracotta-Passive-ALU							2,00		14,00	7,00		
SQ														
SQ		Zubehör									14,00			
SQ	102895	Quad100-ZGDD-Fiber/Concrete, colored							4,00		14,00	3,50		
SQ	102896	Quad100-ZGDD-Lichtzelle 1fach							4,00		14,00	3,50		
SQ	102898	Quad100-ZGDD-Integrierte Sanitär-Entlüftung												
SQ														
SQ														
SQ														
SQ														

**Note: Services and area values are given as a guideline and are subject to change. Different cut variants and batten dimensions result in different values.**

*Technical changes and errors reserved. Similar pictures. Data and performance values are guidelines and can change at any time.*

	item number	Article text short	Uoc / Tile	Umpp / Tile	Isc / A	Impp / A	Efficiency / %	Rated power per tile	Rule quantity per square meter	Rule quantity per kWp	Weight per square meter in kg	Weight per piece in kg	Performance/qm in Wp	m <sup>2</sup> / kWp
	102900	Quad100-Interlock-B (1000x600mm, Batten installation)												
SQ	102901	Quad100-Interlock-B-Premium-Black-PERC	12,04	4,90	9,93	9,51	22,80%	97,20	2,00	10,3	14,00	7,00	194,40	5,1
SQ	102902	Quad100-Interlock-B-Premium-Black-Plus-PERC	12,04	4,90	9,93	9,51	22,80%		2,00		14,00	7,00		
SQ	102903	Quad100-Interlock-B-Premium-Black-passive							2,00		14,00	7,00		
SQ	102904	Quad100-Interlock-B-Premium-Black-passive-ALU							2,00		14,00	7,00		
SQ	102911	Quad100-Interlock-B-Slategray	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	102912	Quad100-Interlock-B-Slategray-PLUS	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	102913	Quad100-Interlock-B-Slategray-Passive							2,00		14,00	7,00		
SQ	102914	Quad100-Interlock-B-Slategray-Passive-ALU							2,00		14,00	7,00		
SQ	102921	Quad100-Interlock-B-Gray	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	102922	Quad100-Interlock-B-Gray-PLUS	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	102923	Quad100-Interlock-B-Gray-Passive							2,00		14,00	7,00		
SQ	102924	Quad100-Interlock-B-Gray-Passive-ALU							2,00		14,00	7,00		
SQ	102931	Quad100-Interlock-B-Brick red	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102932	Quad100-Interlock-B-Brick red-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102933	Quad100-Interlock-B-Brick red-Passive							2,00		14,00	7,00		
SQ	102934	Quad100-Interlock-B-Brick red-Passive-ALU							2,00		14,00	7,00		
SQ	102941	Quad100-Interlock-B-Terracotta	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102942	Quad100-Interlock-B-Terracotta-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	102943	Quad100-Interlock-B-Terracotta-Passive							2,00		14,00	7,00		
SQ	102944	Quad100-Interlock-B-Terracotta-Passive-ALU							2,00		14,00	7,00		
SQ														
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	Item number	Article text short	Uoc / Tile	Umpp / Tile	Isc / A	Impp / A	Efficiency / %	Rated power per tile	Rule quantity per square meter	Rule quantity per kWp	Weight per square meter in kg	Weight per piece in kg	Performance/gm in Wp	m <sup>2</sup> / kWp
	103000	Quad100-Interlock-DD (1000x600mm, direct deck install)												
SQ	103001	Quad100-Interlock-DD-Premium-Black-PERC	12,04	4,90	9,93	9,51	22,80%	97,20	2,00	10,3	14,00	7,00	194,40	5,1
SQ	103002	Quad100-Interlock-DD-Premium-Black-Plus-PERC	12,04	4,90	9,93	9,51	22,80%		2,00		14,00	7,00		
SQ	103003	Quad100-Interlock-DD-Premium-Black-passive							2,00		14,00	7,00		
SQ	103004	Quad100-Interlock-DD-Premium-Black-passive-ALU							2,00		14,00	7,00		
SQ	103011	Quad100-Interlock-DD-Slategray	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	103012	Quad100-Interlock-DD-Slategray-PLUS	11,27	9,49	7,83	7,37	19,24%	72,00	2,00	13,9	14,00	7,00	144,00	6,9
SQ	103013	Quad100-Interlock-DD-Slategray-Passive							2,00		14,00	7,00		
SQ	103014	Quad100-Interlock-DD-Slategray-Passive-ALU							2,00		14,00	7,00		
SQ	103021	Quad100-Interlock-DD-Gray	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	103022	Quad100-Interlock-DD-Gray-PLUS	11,29	9,50	7,43	7,02	18,22%	66,01	2,00	15,2	14,00	7,00	132,01	7,6
SQ	103023	Quad100-Interlock-DD-Gray-Passive							2,00		14,00	7,00		
SQ	103024	Quad100-Interlock-DD-Gray-Passive-ALU							2,00		14,00	7,00		
SQ	103031	Quad100-Interlock-DD-Brick red	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	103032	Quad100-Interlock-DD-Brick red-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	103033	Quad100-Interlock-DD-Brick red-Passive							2,00		14,00	7,00		
SQ	103034	Quad100-Interlock-DD-Brick red-Passive-ALU							2,00		14,00	7,00		
SQ	103041	Quad100-Interlock-DD-Terracotta	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	103042	Quad100-Interlock-DD-Terracotta-PLUS	11,21	9,41	7,83	7,37	16,75%	76,50	2,00	13,1	14,00	7,00	153,00	6,5
SQ	103043	Quad100-Interlock-DD-Terracotta-Passive							2,00		14,00	7,00		
SQ	103044	Quad100-Interlock-DD-Terracotta-Passive-ALU							2,00		14,00	7,00		
SQ		Zubehör												
SQ	103095	Quad100-Interlock-DD-Fiber/Concrete 54x54, colored							2,00		14,00	7,00		
SQ	103096	Quad100-Interlock-DD-Lichtzelle 1fach							2,00		14,00	7,00		
SQ	103098	Quad100-Interlock-DD-Integrierte Sanitär-Entlüftung												
SQ														
SQ														
SQ														
SQ														

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Daten und Leistungswerte sind Richtwerte und können sich jederzeit ändern.*