

System description

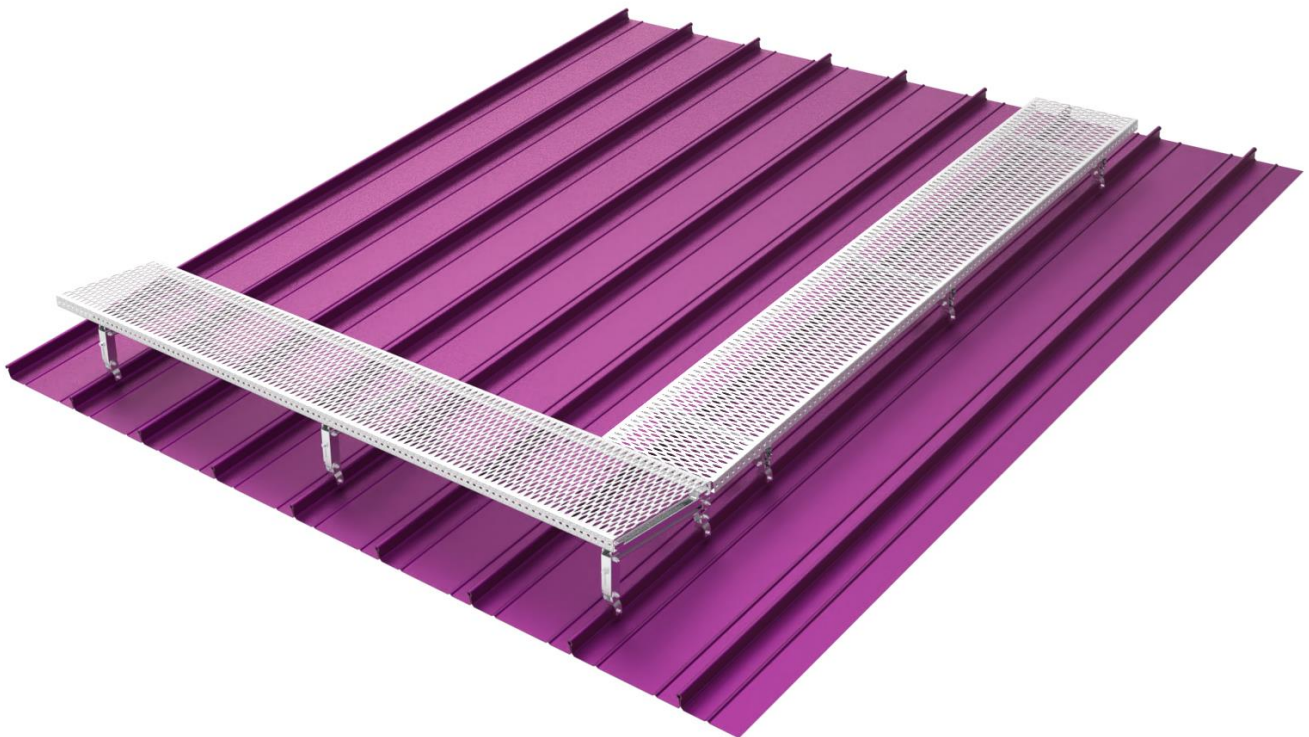
ROOFWALK SEAM is a walkway for maintenance and inspection purposes in accordance with EN 516:2006 Class 1, Type C. On metal roofs with hand seamed roofing or metal profiles.

Possible product version

ROOFWALK SEAM 500 Z, Width of grating 500 mm, galvanized

ROOFWALK SEAM 600 Z, Width of grating 600 mm, galvanized

ROOFWALK SEAM 500 A, Width of grating 500 mm, aluminium



Installation

Please read the installation instructions before installing the walkway.

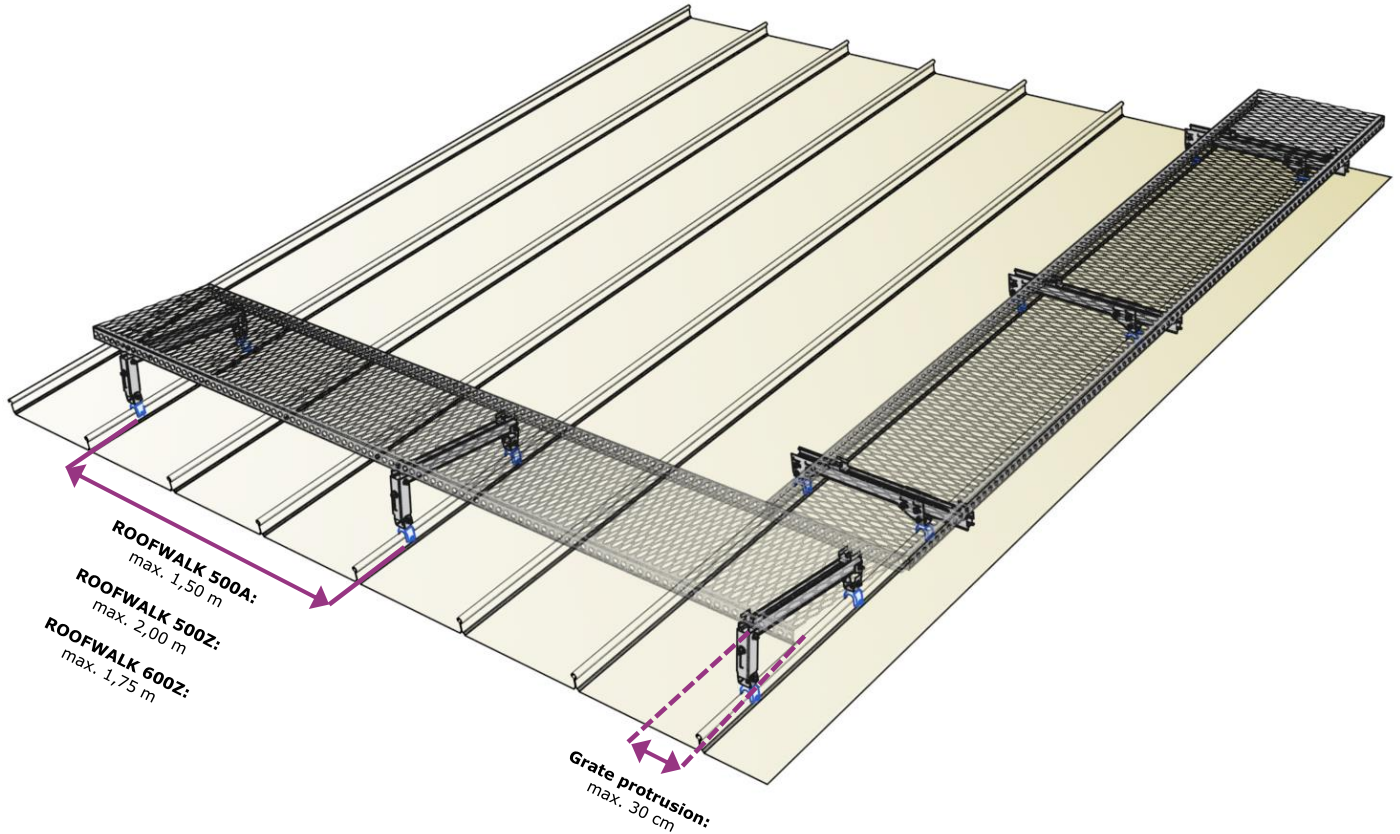
Before installation, the load-bearing capacity of the roof structure and its suitability for installation must be checked. The dead load of the walkway system is 0.25 kN/m, the rated load for foot traffic according to DIN EN 516 is 1.5 kN.

For roofs with a roofpitch of more than 1:5 (approx. 11°) has to be equipped with treads. According to DIN 4426, from a slope of 1:2.75 (about 20°), traffic routes must be constructed with steps.

In areas with aggressive environmental conditions, e.g. in the area of chemical plants or near the coast, an additional coating or anodising of the aluminium parts and/or a design of the grating in stainless steel may be necessary.

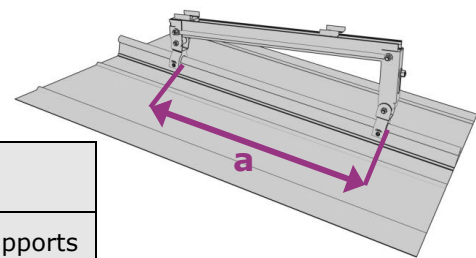
Layout

Please note your installation plan!



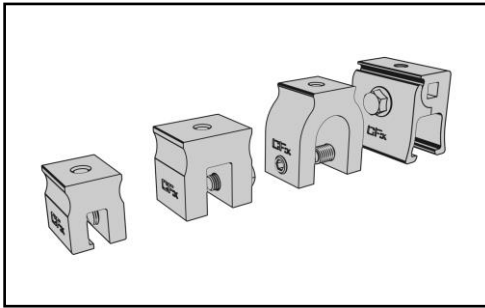
Distance table

For the spacing of clamps and supports please use the following tables:

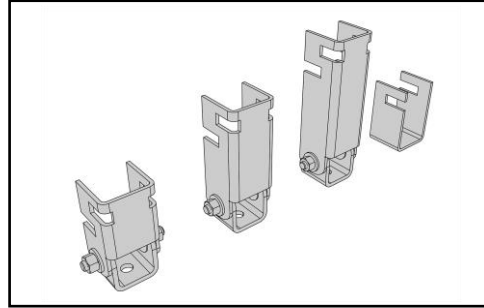


ROOFWALK SEAM 500 Z / A				ROOFWALK SEAM 600 Z			
Roof pitch	a = Clamp distance	Supports 1	Supports 2	Roof pitch	a = Clamp distance	Supports 1	Supports 2
3°	460 mm	SAK	SAM	3°	560 mm	SAK	SAM
5°	462 mm	SAK	SAM	5°	562 mm	SAK	SAM
8°	465 mm	SAK	SAL	8°	566 mm	SAK	SAL
10°	467 mm	SAK	SAL	10°	570 mm	SAK	S1
15°	478 mm	SAK	S1	15°	581 mm	SAK	S2
20°	492 mm	SAK	S2	20°	598 mm	SAK	S2
25°	512 mm	SAK	S2	25°	622 mm	SAK	S3
30°	537 mm	SAK	S3	30°	652 mm	SAK	S3
35°	570 mm	SAK	S3	35°	692 mm	SAK	S3
40°	612 mm	SAK	S3				

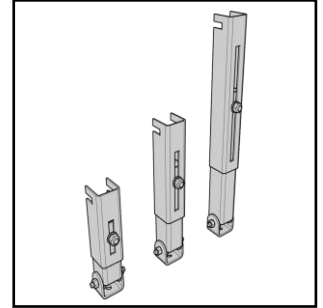
Components



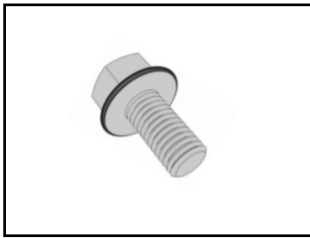
CF:x Clamps



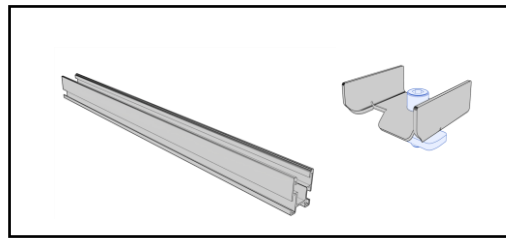
Support: SAK, SAM, SAL and SAFT



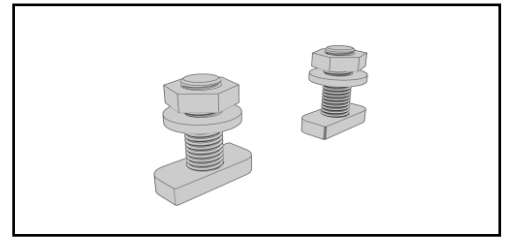
Telescopic support 1-3



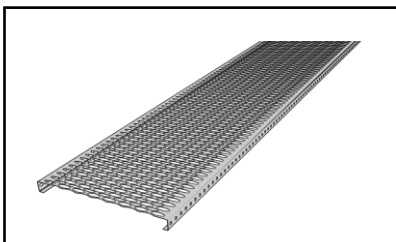
Screw M8x18



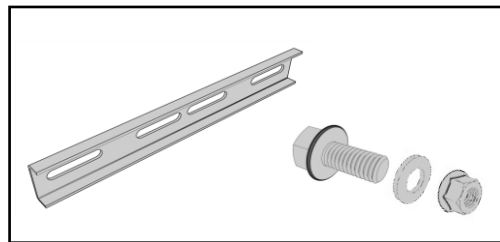
Set: support rail and 2 grate clamps



Set for fixing the support rail:
2 hammer head screws M10x25
(Typ 28/15) with washer and nut

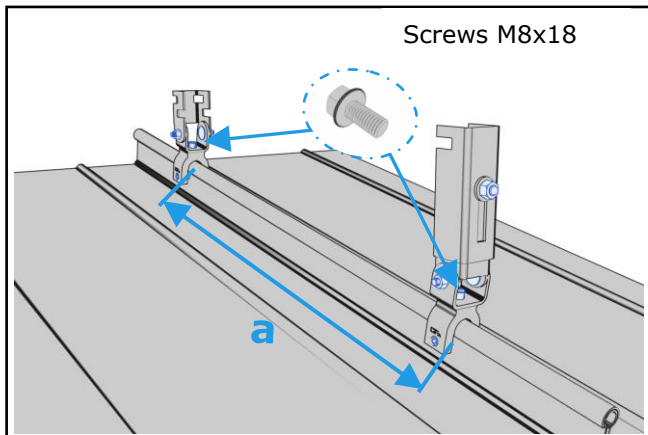


Grating 500 mm galvanized
Grating 600 mm galvanized
Grating 500 mm aluminium

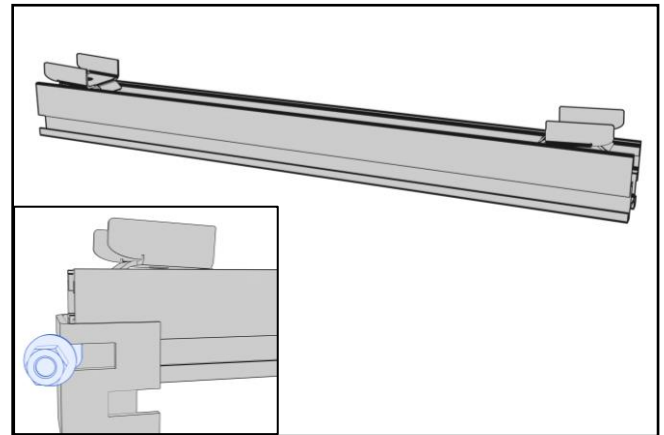


Set of longitudinal connector grate:
longitudinal connector with 4 screws
M8x20, washers and self-locking nuts

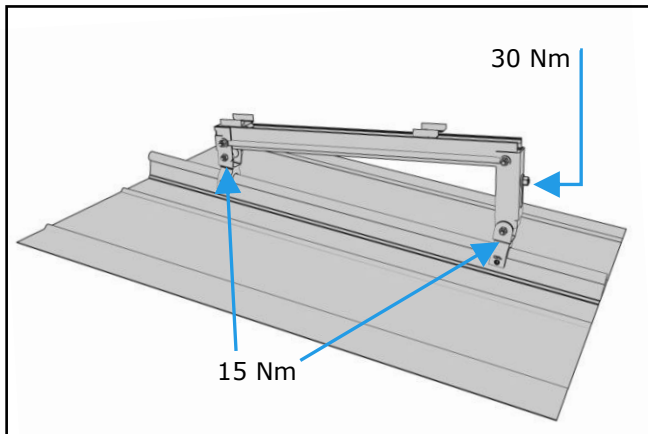
Montage



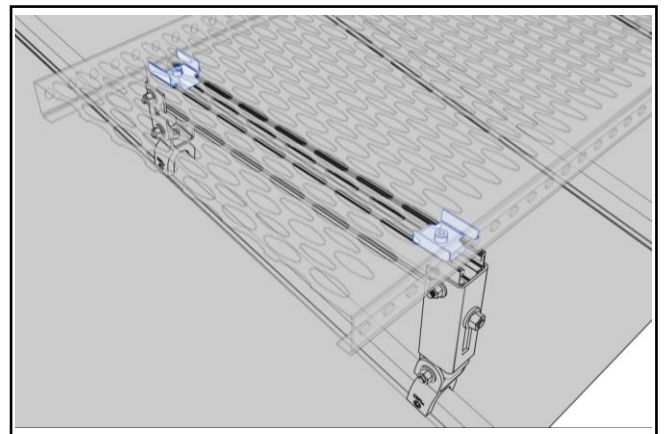
For spacing of the clamps, see table on page 2! Install the clamps according to their installation instructions. Place the supports on the clamps and fix them with the screws (15 Nm).



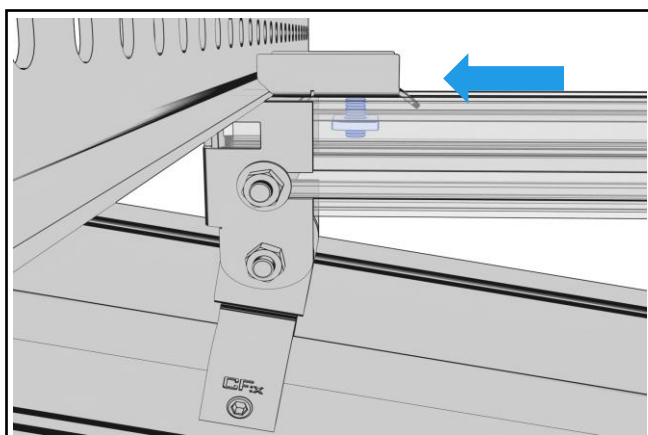
Slide 2 grate clamps into the support rail. Fix the support rail to the supports with 2 hammerhead screws each (30Nm).



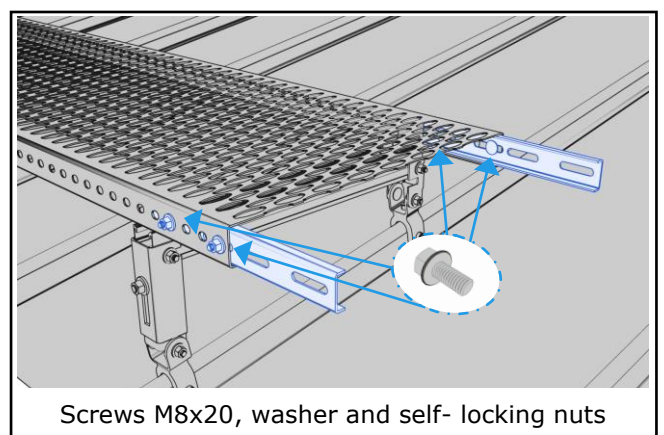
Align the support rail horizontally and tighten the remaining screws.



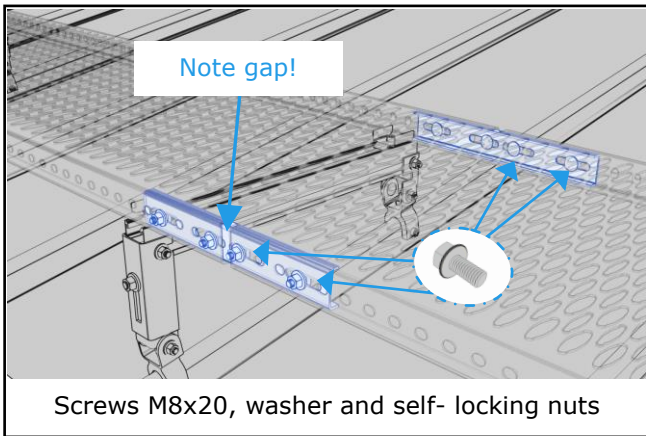
Place the prepared grate on the substructure.



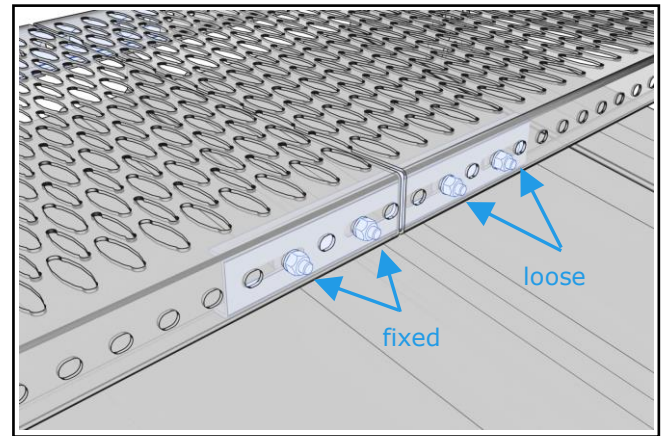
Push the grate clamps outwards over the back edge of the grate and tighten the screws (7 Nm).



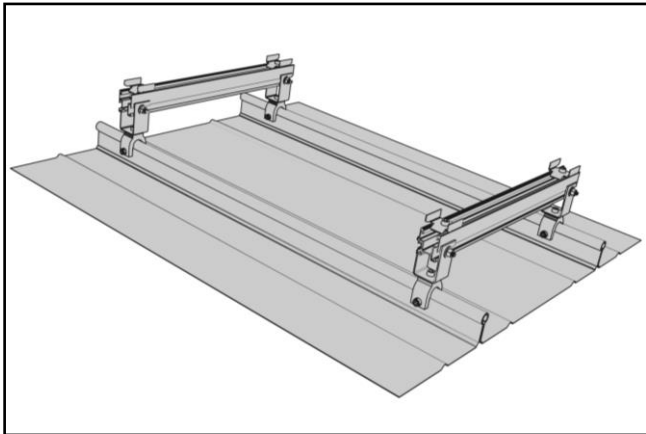
Fix 2 longitudinal grate connectors to the grate with 2 screws each.



Place the prepared grate on the base and push it against the already mounted grate, leaving a gap 5-10 mm. Fasten the grate clamps and loosely fix the longitudinal connectors with 2 screws each.



Due to thermally induced length changes, the screws are screwed tightly on one side and loosely on the other.



Orientation from **eaves to ridge**:
Here the support rails are mounted on the rebate clamps at right angles to the rebate.

Storage

The grates are made of aluminium or galvanised steel, the support structure is made of aluminium. In case of moisture ingress, the surfaces can oxidise and lose their shine or develop stains. This oxidation does not attack the metal itself, but forms a natural protective layer. The optical changes have no effect on the quality of the components and the maintenance path. We recommend that the components are stored in a dry and ventilated place, protected from moisture before installation.

Maintenance

ROOFWALK SEAM must be inspected at intervals of max. 2 years. Particular attention should be paid to loose or deformed parts as well as corrosion. If there is any concern about the functionality of the walkway, it must be inspected and, if necessary, serviced before the next time the roof is walked on.

General safety instructions

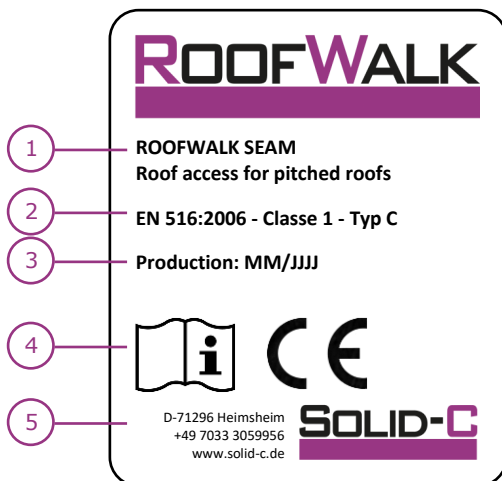
For the duration of the assembly, protection against falling must be provided, e.g. by means of an appropriate scaffold or anchoring devices. It must be ensured that the assembly is only carried out by instructed specialists in compliance with the specifications for carrying out work at the appropriate height.

Only undamaged original parts are to be used for assembly, and no changes may be made to them that impair their function or safety. If it is necessary to dismantle the catwalk, this must be done in reverse order to the assembly instructions.

Workplaces and traffic routes on the roof may only be accessed by persons who have been instructed for this work. Workplaces and traffic routes on the roof may only be entered when they are free of snow and ice. A fall protection system must be provided.

If the walkway is subjected to exceptional loads, it must be checked by a competent person and approved in writing for the intended use.

Marking



- 1 Product and type identification
- 2 Standard and classification
- 3 Year of manufacture and serial number
- 4 Note that instructions for use must be observed
- 5 Manufacturer

Disclaimer

The load-bearing capacity of the substrate must be checked by the customer. Solid-C cannot make any statements about this. In addition to these installation instructions, the installing company has to observe the valid regulations and rules of technology. Solid-C GmbH is not liable for the dimensioning instructions contained in commercial offers, since it is generally not possible to agree on all technical framework conditions within the scope of tender submissions. The installation company is responsible for the mechanical durability of the mounted products to the building envelope, especially for their tightness. The components of Solid-C GmbH are designed for this purpose according to the expected loads and the valid state of the art. Solid-C GmbH does not assume any liability for damages caused by improper installation.