

# PC<sup>®</sup> SP 200/200 serrated fixing plate

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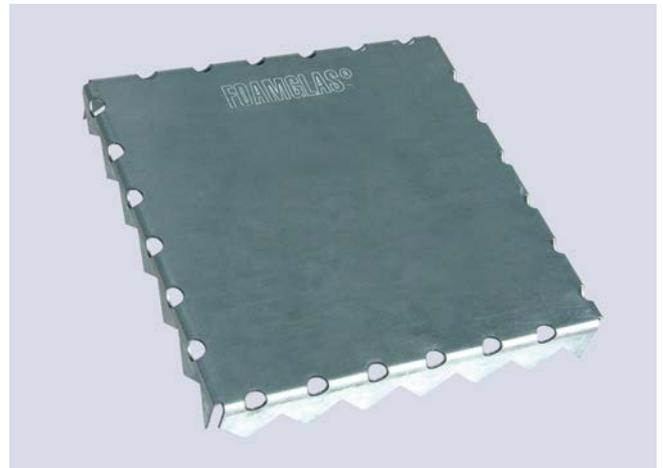
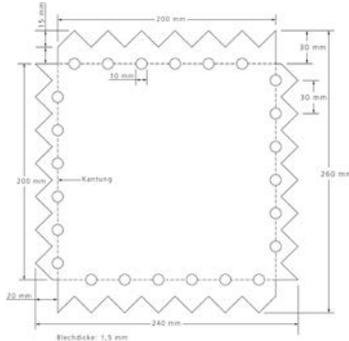
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## 1. Description and area of application

PC<sup>®</sup> SP 200/200 serrated fixing plates are used as heat-bridging-free fastening system for self-bearing metal cover - industrially pre-fabricated profile sheets. They are made from steel Z275 (EN 10025-2), galvanised. The PC<sup>®</sup> SP 200/200 serrated fixing plate has the following dimensions: 200 x 200 mm, 1.5 mm thick. The edges in a total width of 20 or 30 mm are designed as jags. (see diagram)



## 2. Application

As the fastening system, serrated fixing plates are laid on a bitumen bond by a previously determined laying grid. With a suitable torch or gas gun, the bitumen under the serrated fixing plates is thermally activated and subsequently pressed into the insulation upper layer. Depending on the building height and position, corner, edge and medium areas must be observed to determine the wind suction forces. The number of fastening points may also vary depending on the manufacturer's details of the metal covering. These include construction width and width of the relevant profile plates.

### Secondary sealing

After the application of the PC<sup>®</sup> SP 200/200 fixing plates has been concluded, one layer of torch on roofing membrane should be torch applied with sealed, closely butted joints. Seams and joints are knocked until they are blunt, flame treated/scraped with a spatula at the top. The installed serrated fixing plates will be visible under the installed torch on membrane.

### Fastening of industrially pre-fabricated profile sheets

The connection of the metal covering is achieved with fastening clips, these are held in place with screws in the serrated fixing plate. The fastening of the fastening clips and the proof of the "pullout" values of the screw connection is carried out in accordance with the manufacturer details of the covering materials.

The number of fastening points required under DIN EN 508, depending on building height and metal sheet width, can be achieved with the fixing plates inserted in FOAMGLAS<sup>®</sup> without any problem.

Fixed and sliding points are positioned in the FOAMGLAS<sup>®</sup> insulation in accordance with object-specific requirements of the structure (or the fastening equipment built in). All external forces from wind suction, pressure and temperature-related length changing and the dead loads of the metal covering are transmitted through the fixing plates and through the insulation into the structural deck. The FOAMGLAS<sup>®</sup> system offers an extremely high degree of 'non cold bridging'.

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### 3. Type of delivery and storage

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Box with 50 units each

200 x 200 mm, 1.5 mm thick.

Store in a dry place protected against humidity.

### 4. Consumption

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Depending on the type of application.

### 5. Key Data

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Steel type	Z275
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Additional information can be found in our technical data sheets (TDS). Our liability and responsibility are guided exclusively by our general terms and conditions and are not expanded by the statement of our technical documents nor by the advice of our technical field service.

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