

	Detalj	Art. nr.
1	Sealing plate OPTI 360x450	TP3645
2	Sealing plate (518x346) elevated 350x520	TP3551
3	Coach bolt M10x30	VB1301/VB1305

	Detalj	Art. nr.
4	Bolt M10x20	BU1201/BU1200
5	Nut M10	MU1001/MU1010
6	Rubber washer Ø50 M10	GB5010

Bitumen-based sealing layer

1. Protective cover and covering collar

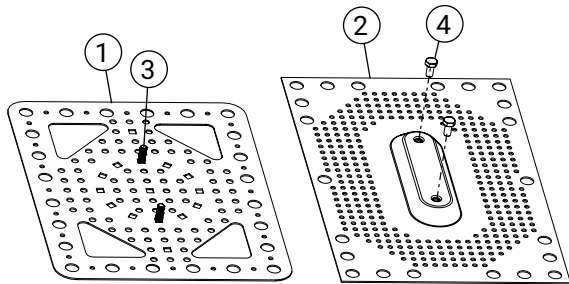
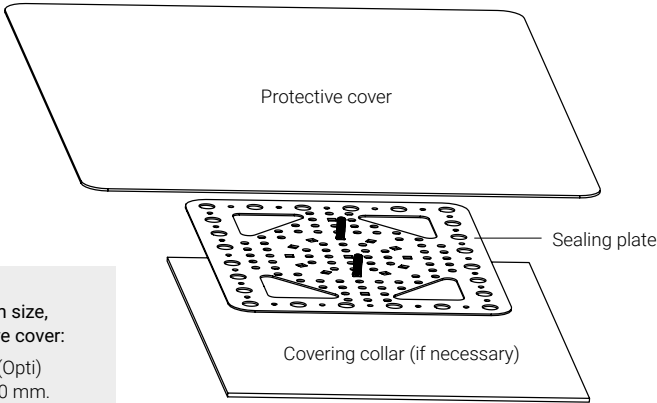
The protective cover must be **at least 150 mm larger** than the sealing plate in all directions. For TP3551, the cover must also be cut to the raised section.

If deemed necessary by the installer, a covering collar must also be fitted under the sealing plate. This collar must be 50 mm larger than the sealing plate.

The sealing layer must be tested in accordance with EN 13707: 204+A2:2009 and satisfy the following minimum requirements:

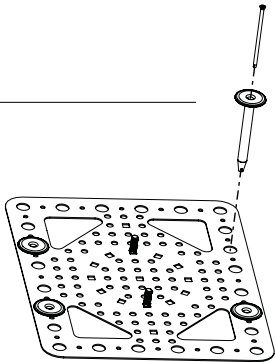
Tensile strength: 550 N/50 mm
Shearing durability in joints: 550 N/50 mm
Tear strength: : 150 N
Resistance to cracks in joints: 150 N/50 mm
The work must be carried out by an approved roofer.

Minimum size, protective cover:
TP3645 (Opti)
660 x 750 mm.
TP3551 (Raised)
818 x 646 mm



2. Bolts

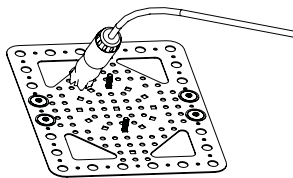
The OPTI sealing plate is installed using 2 coach bolts (3).
Two M10x20 bolts (4) are fitted to the raised sealing plate (2),



3. Mechanical attachment

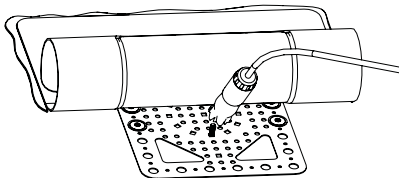
The sealing plates are installed mechanically to the bearing under-roof using **at least 4 attachments, each of which must be rated to handle a tensile force of 1kN.**

NB Mechanical attachments are to be purchased separately and selected based on the type of roof construction.



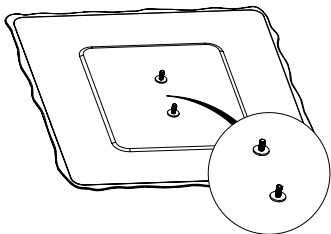
4. Pre-heat the substrate

Mark and pre-heat the substrate under the sealing plate so that the bitumen compound melts through the perforations in the plate.



5. Heating the sealing plate

Heat the protective cover together with the bitumen compound that has melted up through the sealing plate. Take care to ensure that sufficient heat is applied to melt the sealing plate into both layers. Finish by heating the protective cover around the entire sealing plate, securing it to the substrate.



6. Rubber washer

Finish by placing rubber washers (6) on the coach bolts (3)/bolts (4) and fit the bracket on top. Tighten the nuts (5).

	Part	Part. no.
1	Sealing plate OPTI 360x450	TP3645
2	Coach bolt M10x30	VB1301/VB1305

	Part	Part. no.
3	Nut M10	MU1001/MU1010
4	Rubber washer Ø50 M10	GB5010

PVC/TPO-based sealing layer

1. Protective cover and covering collar

The protective cover must be **at least 50 mm larger** than the sealing plate in all directions.

If deemed necessary by the installer, a covering collar must also be fitted under the sealing plate. This collar must be 50 mm larger than the sealing plate.

The sealing layer must be compliant with EN 13956 and satisfy the following requirements:

Tensile strength: min. 1050 N/50 mm (EN 12311-2)

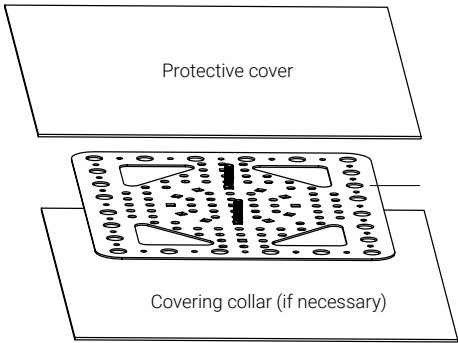
Tear strength: min. 210 N/50 mm (EN 12310-2)

Shear strength in joints: min. 1000 N/50 mm (EN 12317-2)

Crack resistance in joints: min. 150 N/50 mm (EN 12316-2)

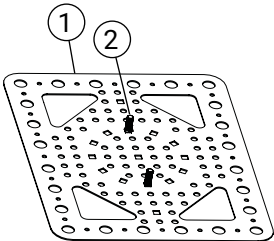
The work must be carried out by an approved roofer.

Minimum size,
protective cover:
TP3645 (Opti)
550 x 460 mm.



2. Coach bolt

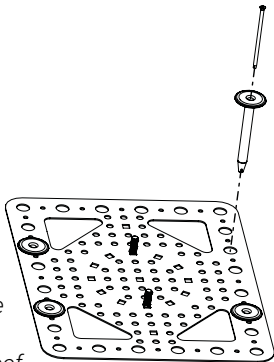
The OPTI sealing plate (1) is installed using 2 coach bolts (2).



3. Mechanical attachment

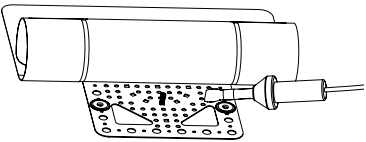
The sealing plates are installed mechanically to the bearing under-roof using **at least 4 attachments, each of which must be rated to handle a tensile force of 1kN.**

NB Mechanical attachments are to be purchased separately and selected based on the type of roof construction.



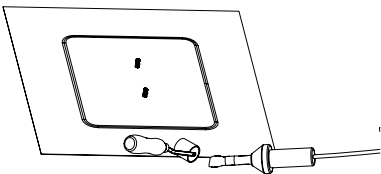
4. Welding sealing plate

Heat around the sealing plate and in the large triangles before fitting the protective cover.



5. Welding protective cover

Weld the protective cover securely around the sealing plate and carefully ensure that the surfaces also attach to each other in the triangles.



6. Rubber washer

Finish by placing rubber washers (4) on the coach bolts (2) and secure using nuts (3).

