

SELF structural elements

Drainage channels,
boot scrapers,
yard sumps for the house,
yard and garden



- 04 *ANRIN SELF structural elements***
Material / Application / Properties
- 08 *Drainage channels SELF-100***
with grating and locking mechanism
- 10 *Drainage channels SELF-ECO, SELF-Mini***
with grating and locking mechanism
- 12 *Drainage channels SELF-100 with slotted top***
from galvanised steel, with flush side slot
- 14 *Drainage channels SELF-150***
with grating and Screw fastening
- 16 *Drainage channels SELF-200***
with grating and Screw fastening
- 18 *Drainage channels SELF GL-100***
with grating and TwistLock fastening
- 20 *SELF comfort boot scrapers***
- 22 *SELF drainage yard sump***

Drainage of terraces



ANRIN – the drainage system

At our production and logistics centre located in Anröchte, North Rhine Westphalia, we have been developing and producing pioneering drainage systems made of resin concrete and cover gratings for all physical and artistic demands of modern drainage around your house, yard and garden since 1971.

Thanks to our especially efficient distribution, we are able to supply any construction site in Germany in less than 48 hours as well as many other countries within just a few days. Always new, creative and patented channel and grating systems give our demanding construction managers, architects, tradesmen and specialist dealers the safe and secure feeling that they have made the right choice for the long term.

Millions of metres of installed channel and certification in accordance with DIN EN ISO 9001 assure the high quality of our owner-operated family company. We place a special emphasis on technical and application-based consultation, with the goal of continuously finding the best solution for your individual construction project. Contact us and put our expertise to the test.



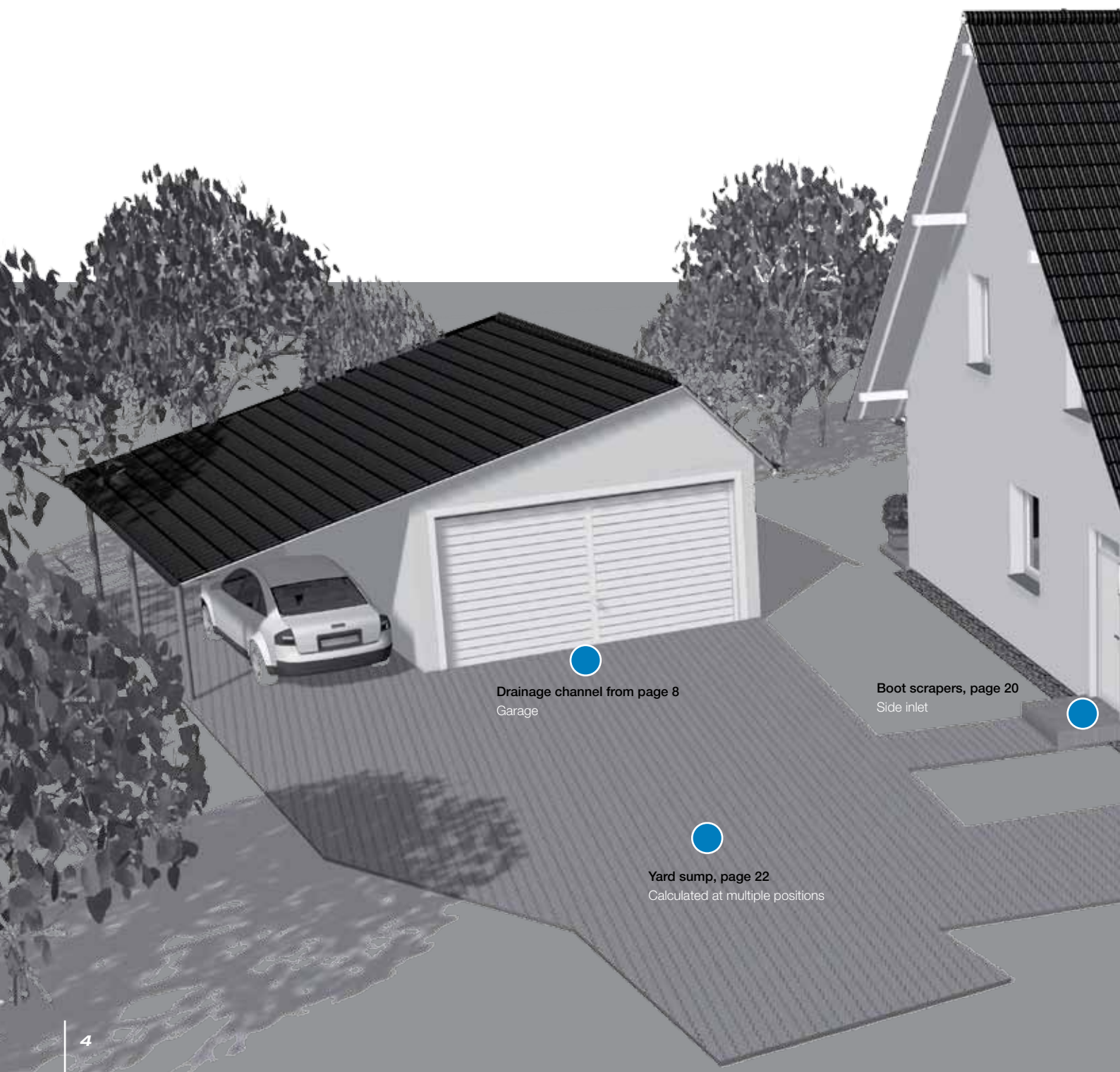
**ANRIN SELF
structural elements
made of resin concrete**

The material comprised of naturally occurring mineral quartzes and resin is distinguished by its structural and environmental benefits. In comparison with conventional, cement-bound materials, resin concrete allows for unit weights which are much easier to handle.

By processing the material on the construction site, time and money are saved.

The high quality of the individual components as well as the closed material matrix make the ANRIN resin concrete watertight and highly resistant to corrosion as well as a number of substances.

As a result, surfaces can be designed which purposefully drain off rainwater and the ground water can be reliably protected against environmental pollution.



Drainage channel from page 8
Garage

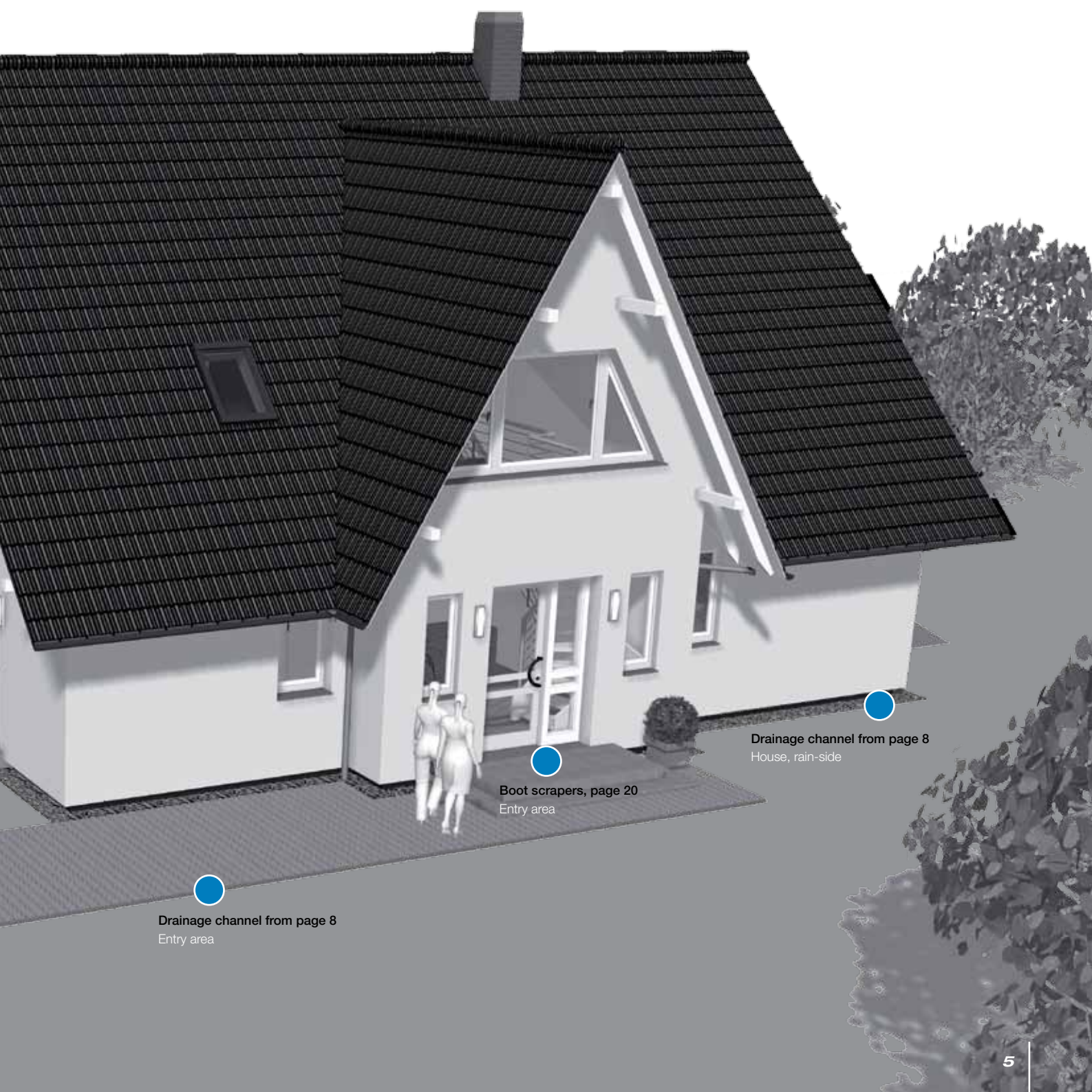
Boot scrapers, page 20
Side inlet

Yard sump, page 22
Calculated at multiple positions

Tip

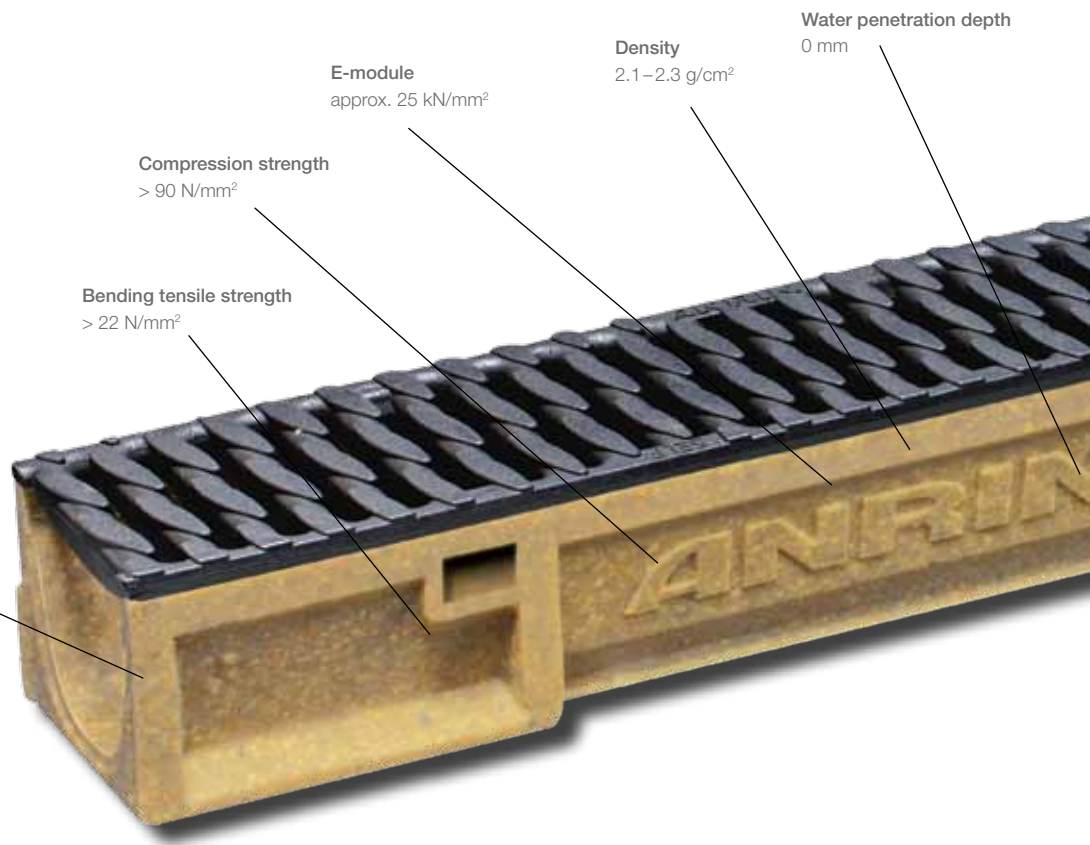
Always incorporate channel or point drainage into the planning of the surfaces surrounding your house in order to prevent dammed-up water, ponding and the associated later structural damages.

ANRIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**



UNILINK® joint

The optimised **UNILINK®** joint system eliminates the traditional differentiation between the beginning and end of the channel. Elements with an equal installation height can be joined in any arbitrary direction. The symmetrically divided half-joints enable the optional sealing of the splicing. Vertically aligned grooves and tongues support an efficient installation: In the process, the installation alignment can be chosen arbitrarily! The flexibility in the design and installation phases enters a new dimension with the **UNILINK®** joint!

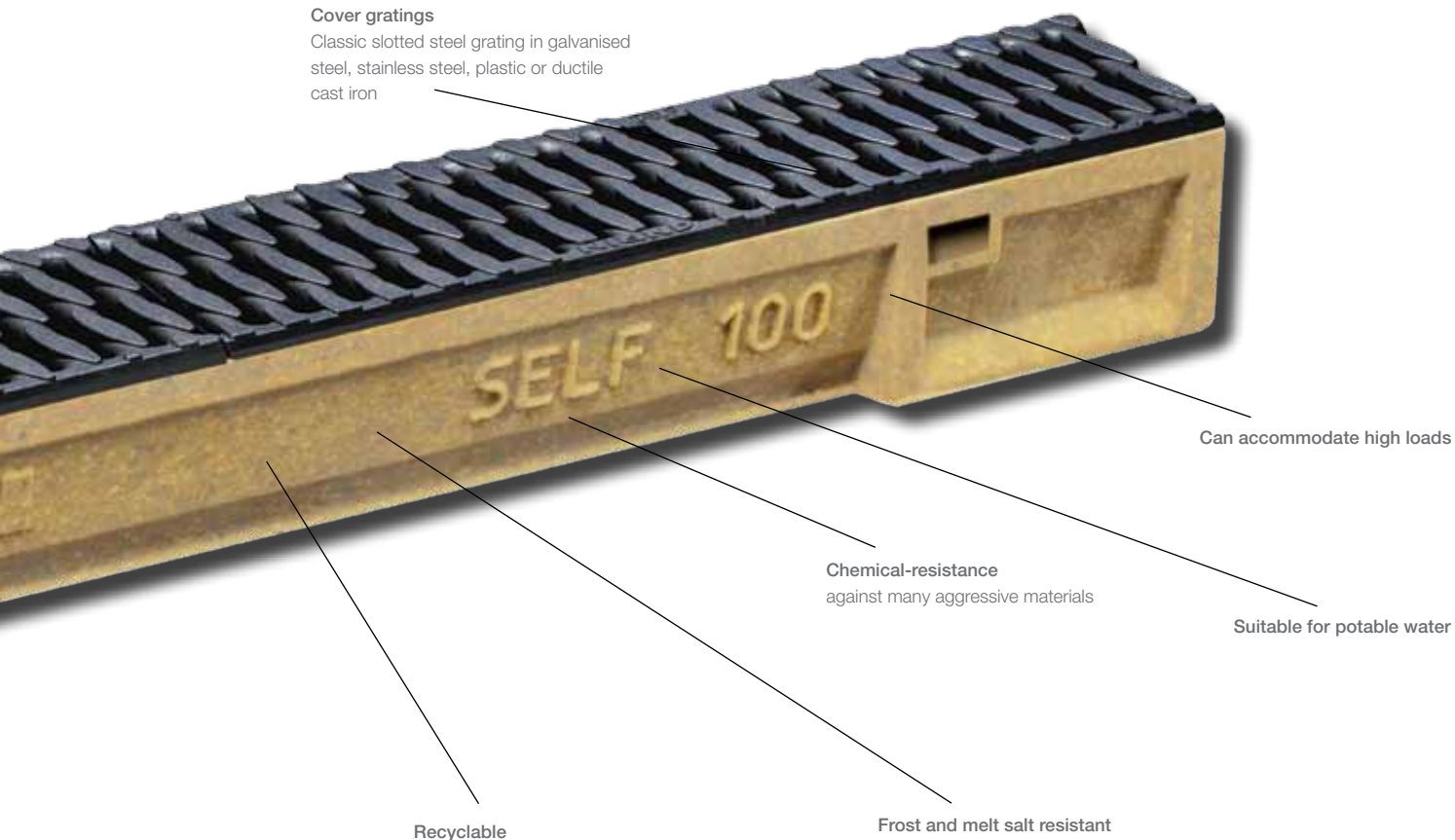


- 1 Garage entrance
- 2 Balcony
- 3 Path boundary
- 4 House entrance
- 5 Courtyard
- 6 Garden

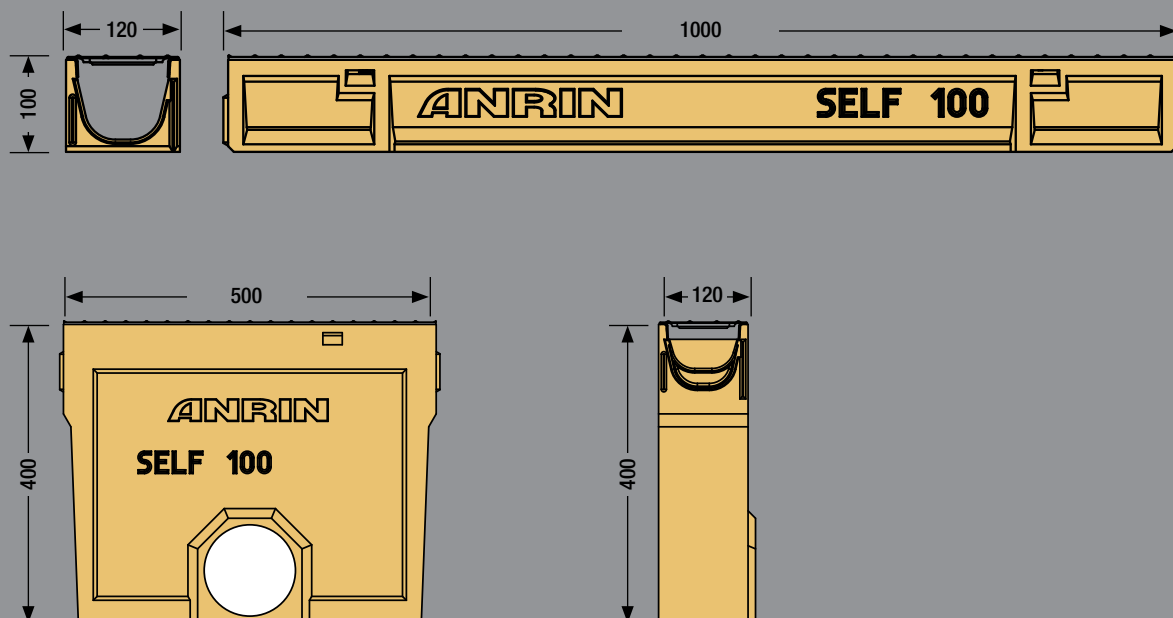


Cover gratings

Classic slotted steel grating in galvanised steel, stainless steel, plastic or ductile cast iron



SELF-100



Product specifications	SELF-100	SELF-100 Sump unit
Material	Resin concrete	Resin concrete
Length	50/100 cm	50 cm
Width	12 cm	12 cm
Height	10 cm	40 cm
Weight	4.5/8.0 kg	15.5 kg
Nominal width	10 cm	10 cm
Joint type	UNILINK® joint	UNILINK® joint
Fastening	Locking mechanism	Locking mechanism
Load capacity	Slotted steel grating cl. A15, Galvanised mesh grating cl. B125, Slotted cast iron grating, cl. B125, Slotted plastic grating, cl. B125	
Cover gratings	Freely selectable	Freely selectable

Cover gratings

Slotted steel / Slotted stainless steel grating



Galvanised mesh grating



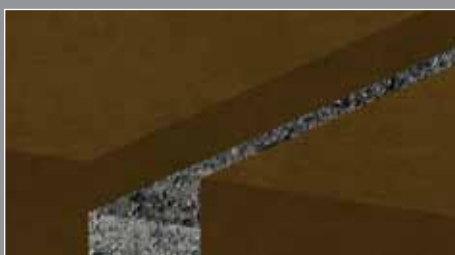
Slotted cast iron grating



Slotted plastic grating



Installation instructions – ANRIN SELF-100 with slotted steel grating in paving



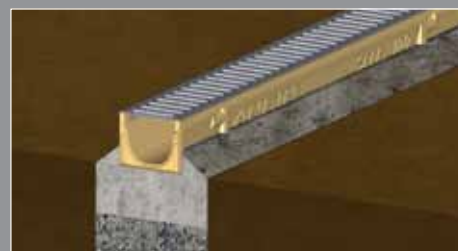
Dig out the trench. Fill in and pre-condense the base course.



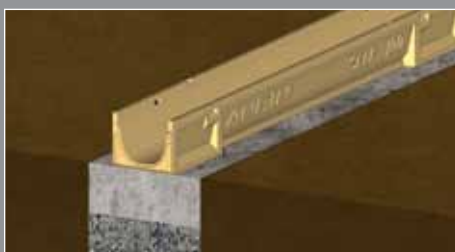
Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



Form concrete bed, 3 parts sand + 1 part water + 1 part cement, on base course.



Place cover gratings on the channels.

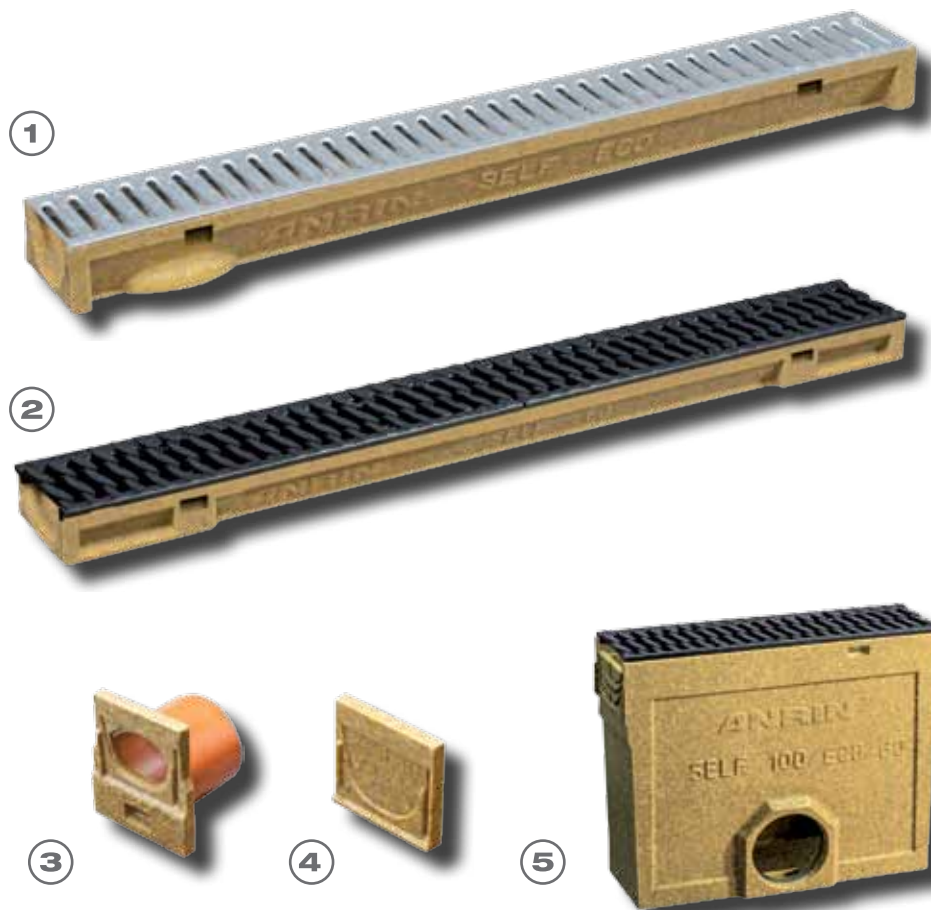


Position channel string, sump unit and end cap on the concrete bed.

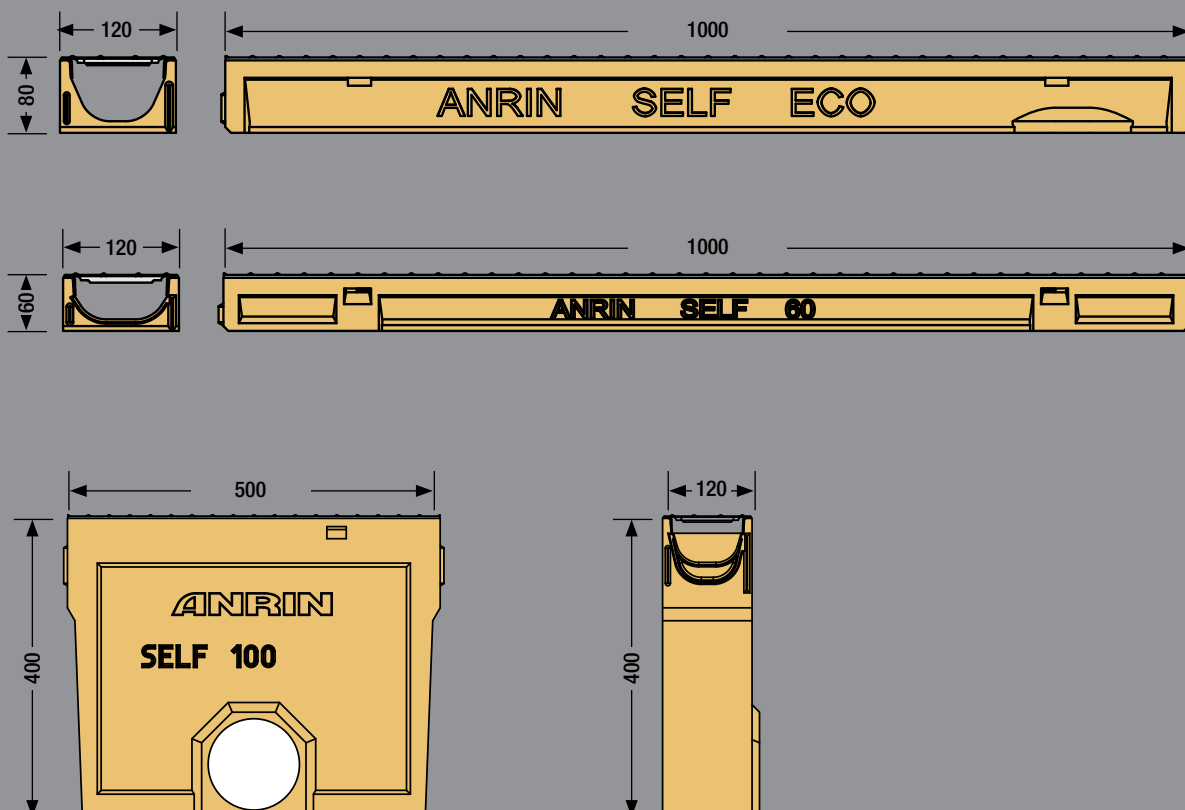


Install paving. The layer should end 2 to 5 mm higher than the cover grating.

SELF-ECO und SELF-Mini



- ① **SELF-ECO**
with slotted steel grating
- ② **SELF-Mini**
with slotted cast iron
- ③ **End cap**
with DA/OD 110 pipe socket
- ④ **End cap**
- ⑤ **Sump unit**
with dirt trap bucket
outlet DA/OD 110 with NBR ring
- ⑥ **Foul air trap**
DA/OD 110
- ⑦ **Pipe sockets**
DA/OD 110



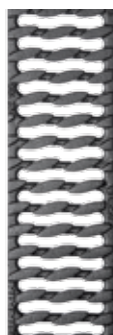
Product specifications	SELF-ECO	SELF-Mini	Sump unit
Material	Resin concrete	Resin concrete	Resin concrete
Length	50/100 cm	100 cm	50 cm
Width	12 cm	12 cm	12 cm
Height	8 cm	6 cm	40 cm
Weight	3.2 / 6.3 kg	6.3 kg	15.5 kg
Nominal width	10 cm	10 cm	10 cm
Joint type	UNILINK® joint	UNILINK® joint	UNILINK® joint
Fastening	Locking mechanism	Locking mechanism	Locking mechanism
Load capacity	Galvanised grating cl. A15, Cast iron grating cl. B125, Slotted plastic grating cl. B125		
Cover gratings	Freely selectable	Freely selectable	Freely selectable

Cover gratings

Slotted steel / Slotted stainless steel grating



Slotted cast iron grating



Slotted plastic grating

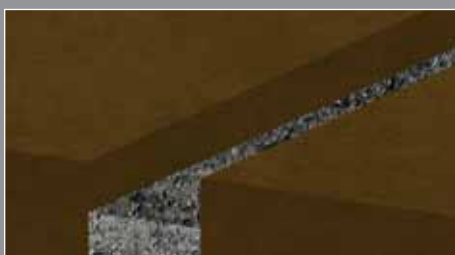


Locking mechanism

The practical Locking mechanism locks both horizontally and vertically.



Installation instructions – ANRIN SELF-100 with slotted steel grating in paving



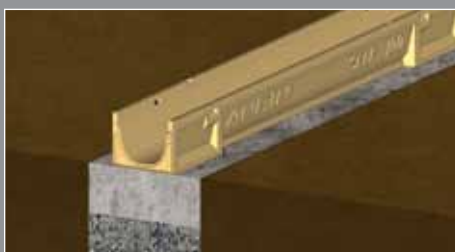
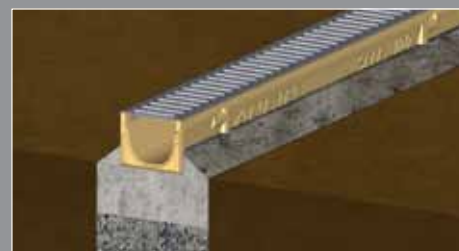
Dig out the trench. Fill in and pre-condense the base course.

Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



Form concrete bed, 3 parts sand + 1 part water + 1 part cement, on base course.

Place cover gratings on the channels.

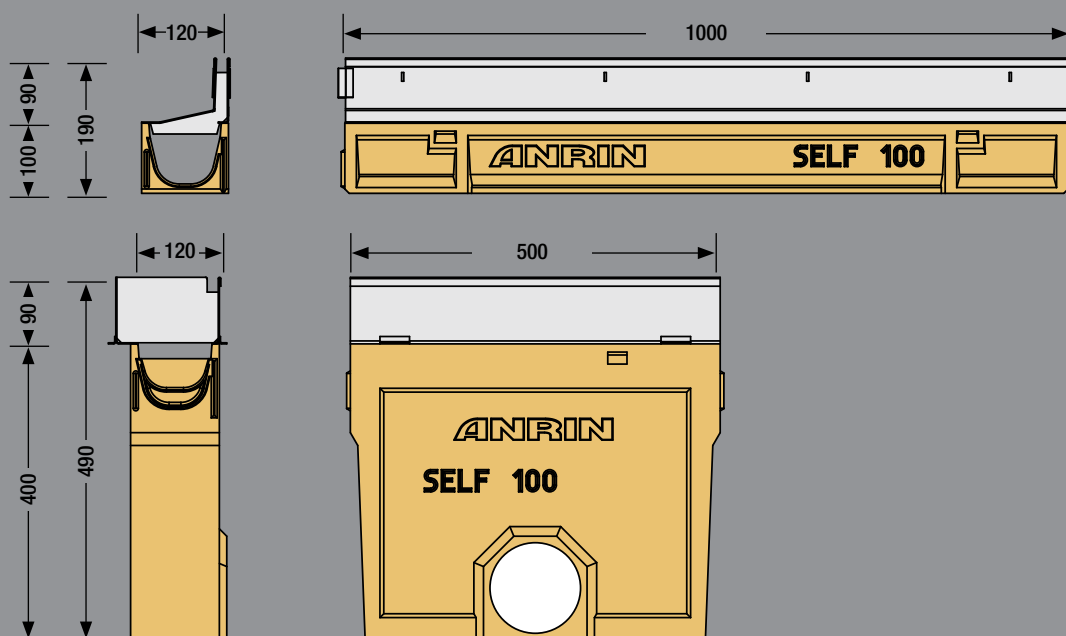
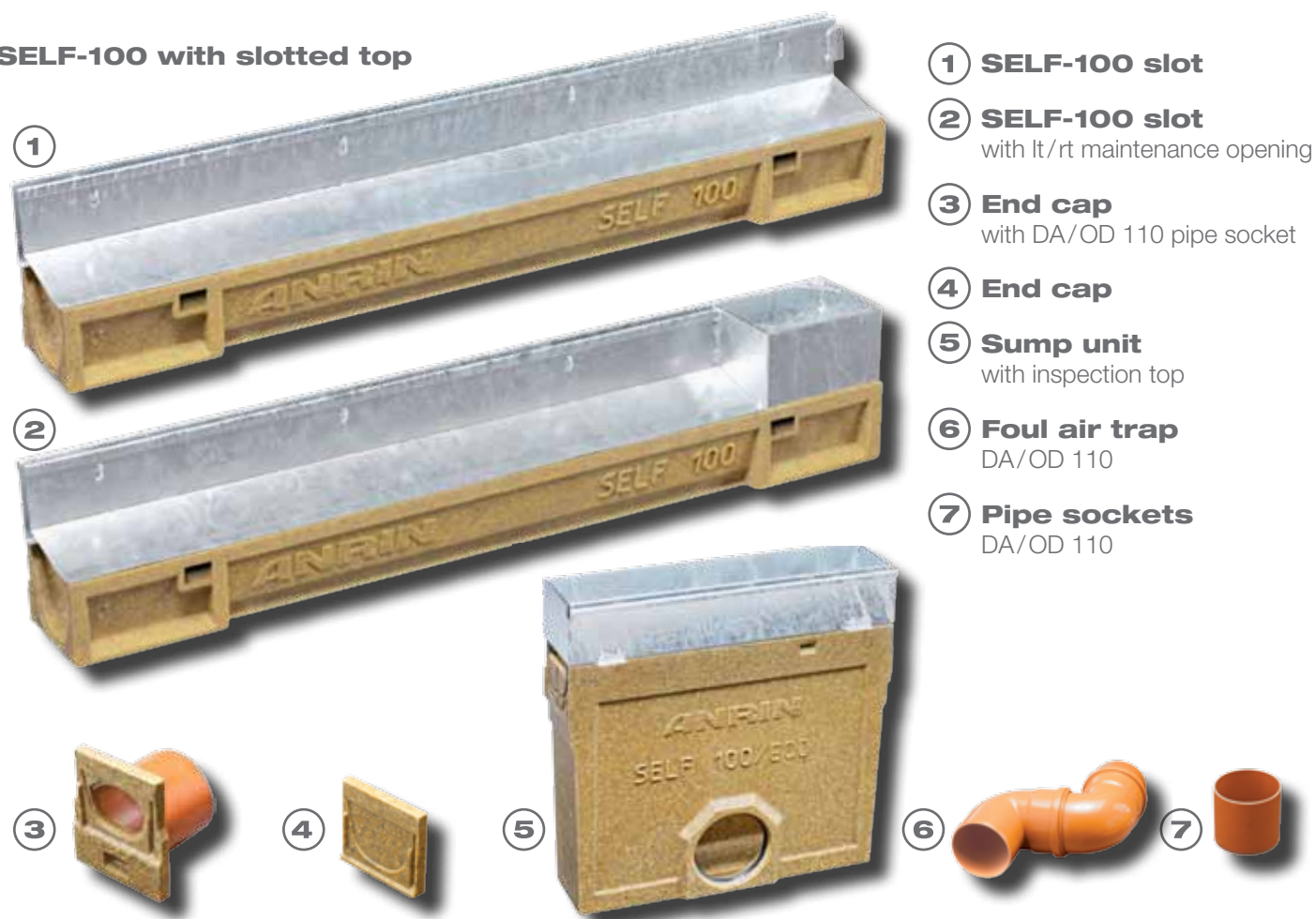


Position channel string, sump unit and end cap on the concrete bed.

Install paving. The layer should end 2 to 5 mm higher than the cover grating.



SELF-100 with slotted top



Tip

Always begin the installation of the channel string at the lowest point of the surface with the installation of the sump unit. In doing so, you will achieve the optimal drainage of rainwater to the sewer system.

ANRIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**

ANRIN SELF drainage channels with slotted top

The ANRIN SELF slotted top channels were specially developed for integration of the drainage in high-quality natural stone and paving surfaces (see page 6, fig. 3). The reduction to a discrete inlet slot enables decorative surface designs without compromise.

The steel shaft with smooth interior and exterior duplications enables a gap-free installation of the stones and easy cleaning of the inlets. Innovative design for durable, safe function.

Product specifications	SELF-100 slot	SELF-100 slot sump unit
Material	Resin concrete	Resin concrete
Length	50/100 cm	50 cm
Width	12 cm	12 cm
Height	19 cm	49 cm
Weight	8.3/10.7 kg	19.4 kg
Nominal width	10 cm	10 cm
Joint type	UNILINK® joint	UNILINK® joint
Load capacity	Drivable	Drivable
Slotted top	Steel	Steel

Installation instructions



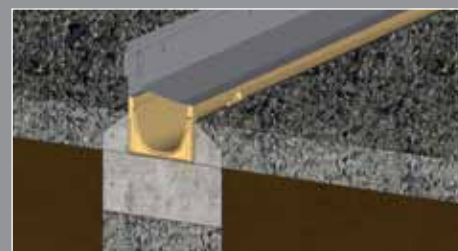
Dig out the trench. Fill in and pre-condense the base course.



Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



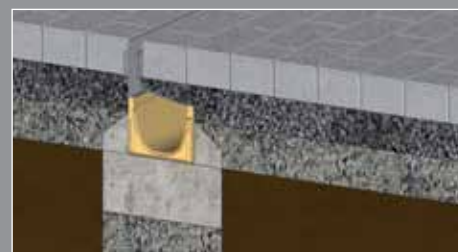
Fill concrete, 3 parts sand + 1 part water + 1 part cement, into the base of the trench.



Place slotted tops on the channel bases. Apply gravel base and condense.



Position channel string, sump unit and end cap on the concrete bed.



Apply the crushed stone bed and level out. Finish the top layer extending approx. 1 cm over the inlet slot.

SELF-150

①



②



③



①

SELF-150
with slotted steel grating

②

SELF-150
with galvanised mesh grating

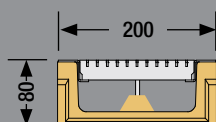
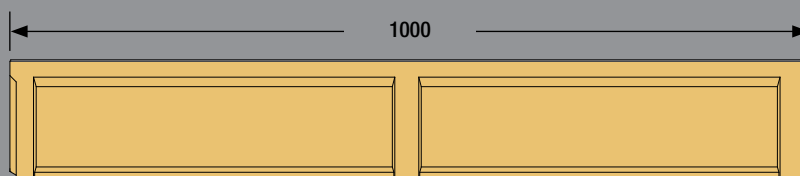
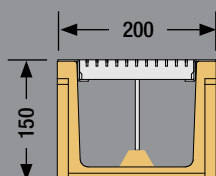
③

SELF-150
with slotted cast iron grating

④

Sump unit
with dirt trap bucket
outlet DA/OD 110/160 with NBR ring

④



Tip

Always begin the installation of the channel string at the lowest point of the surface with the installation of the sump unit. In doing so, you will achieve the optimal drainage of rainwater to the sewer system.

ANRIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**

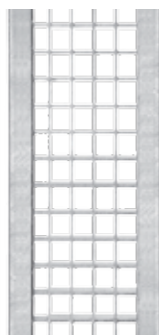
Product specifications	SELF-150	SELF-150 Sump unit
Material	Resin concrete	Resin concrete
Length	50/100 cm	50 cm
Width	20 cm	20 cm
Height	15 cm, 8 cm	58.5 cm
Weight	9 /16 /17.8 kg	25 kg
Nominal width	15 cm	15 cm
Joint type	UNILINK® joint	UNILINK® joint
Fastening	Screw fastening	Screw fastening
Load capacity	Galvanised grating cl. A15, Mesh grating suitable for car access, Cast iron grating cl. C250	
Cover gratings	Freely selectable	Freely selectable

Cover gratings

Slotted steel grating, galvanised



Mesh grating, galvanised



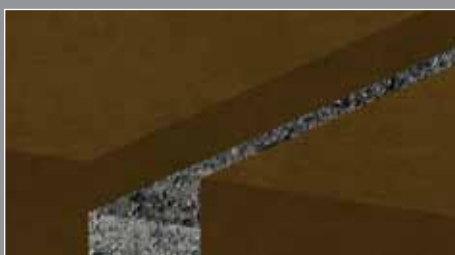
Slotted cast iron grating



Screw fastening



Installation instructions



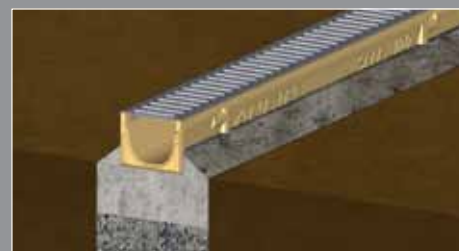
Dig out the trench. Fill in and pre-condense the base course.



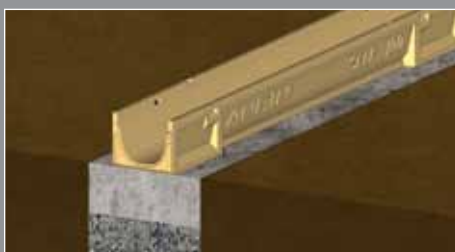
Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



Form concrete bed, 3 parts sand + 1 part water + 1 part cement, on base course.



Place cover gratings on the channels.



Position channel string, sump unit and end cap on the concrete bed.

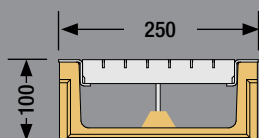
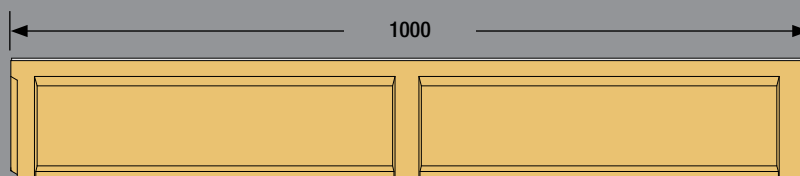
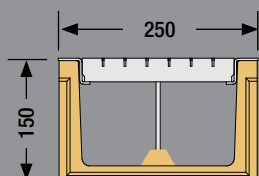


Install paving. The layer should end 2 to 5 mm higher than the cover grating.

SELF-200



- ① **SELF-200**
with galvanised mesh grating
- ② **SELF-200**
with slotted cast iron grating
- ③ **SELF-200 P**
with slotted cast iron grating
- ④ **Sump unit**
with dirt trap bucket
outlet DA/OD 110/160 with NBR ring



Tip

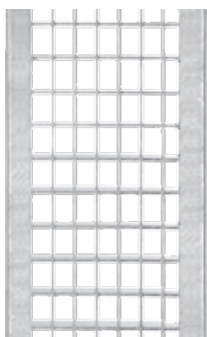
Always begin the installation of the channel string at the lowest point of the surface with the installation of the sump unit. In doing so, you will achieve the optimal drainage of rainwater to the sewer system.

ANRIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**

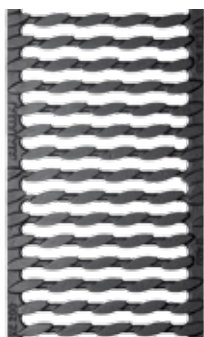
Product specifications	SELF-200	SELF-200 Sump unit
Material	Resin concrete	Resin concrete
Length	50/100 cm	50 cm
Width	25 cm	25 cm
Height	15 cm, 10 cm	58.5 cm
Weight	12 - 31 kg	25 kg
Nominal width	20 cm	20 cm
Joint type	UNILINK® joint	UNILINK® joint
Fastening	Screw fastening	Screw fastening
Load capacity	Mesh grating cl. B125, Slotted cast iron grating, cl. C250	
Cover gratings	Freely selectable	Freely selectable

Cover gratings

Mesh grating,
galvanised



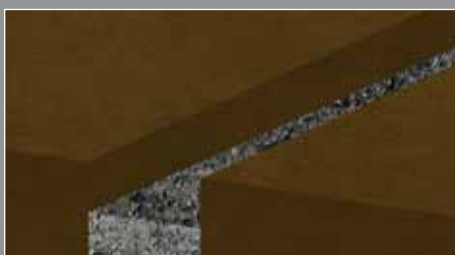
Slotted cast iron
grating



Screw fastening



Installation instructions



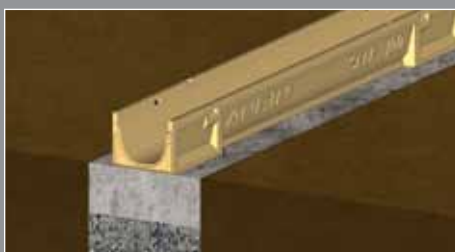
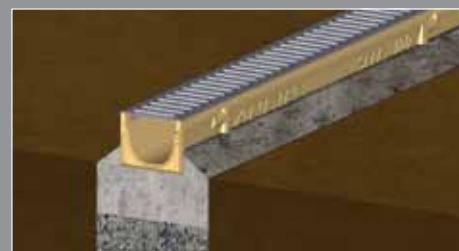
Dig out the trench. Fill in and pre-condense the base course.

Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



Form concrete bed, 3 parts sand + 1 part water + 1 part cement, on base course.

Place cover gratings on the channels.



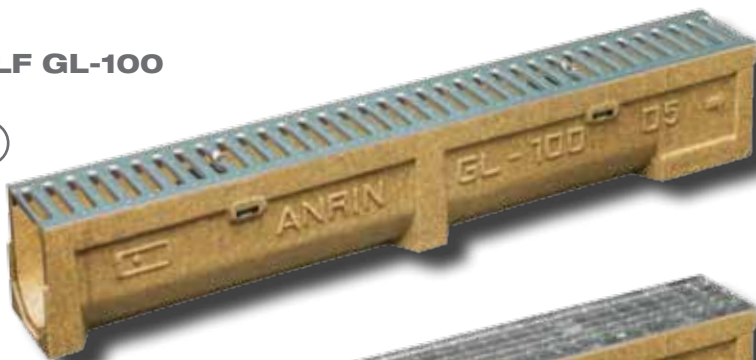
Position channel string, sump unit and end cap on the concrete bed.

Install paving. The layer should end 2 to 5 mm higher than the cover grating.



SELF GL-100

①



②



③



①

SELF GL-100
with slotted steel grating

②

SELF GL-100
with galvanised mesh grating

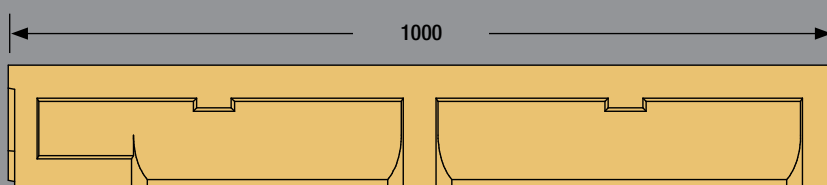
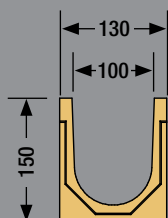
③

SELF GL-100
with slotted cast iron grating

④

Sump unit
with dirt trap bucket,
outlet DA/OD 110 with NBR ring
and perforations DA/OD 110/160

④



Tip

Always begin the installation of the channel string at the lowest point of the surface with the installation of the sump unit. In doing so, you will achieve the optimal drainage of rainwater to the sewer system.

ANRIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**

Product specifications	SELF GL-100	SELF GL-100 Sump unit
Material	Resin concrete	Resin concrete
Length	50/100 cm	50 cm
Width	13 cm	13 cm
Height	8 - 25 cm	56.3 cm
Weight	10 - 18 kg	24 kg
Nominal width	10 cm	10 cm
Joint type	UNILINK® joint	UNILINK® joint
Fastening	TwistLock fastening	TwistLock fastening
Load capacity	Galvanised grating cl. A15, mesh grating cl. B125, cast iron grating cl. C250	
Cover gratings	Freely selectable	Freely selectable

Cover gratings

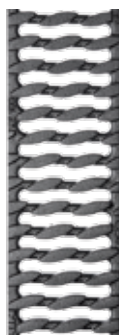
Slotted steel grating, galvanised



Mesh grating, galvanised



Slotted cast iron grating

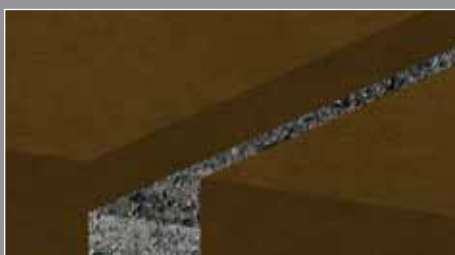


TwistLock fastening

Used for grating types for channels with a nominal width of 100 mm.



Installation instructions



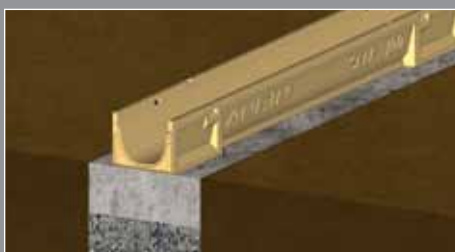
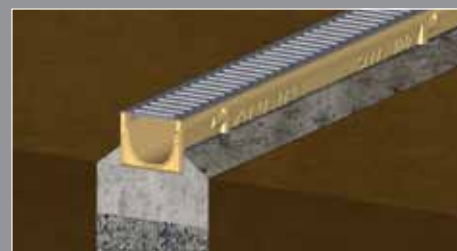
Dig out the trench. Fill in and pre-condense the base course.

Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



Form concrete bed, 3 parts sand + 1 part water + 1 part cement, on base course.

Place cover gratings on the channels.

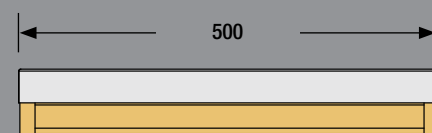
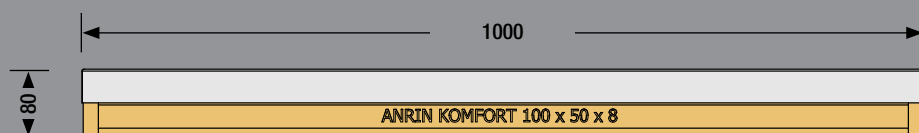
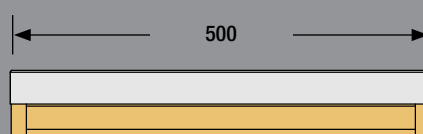
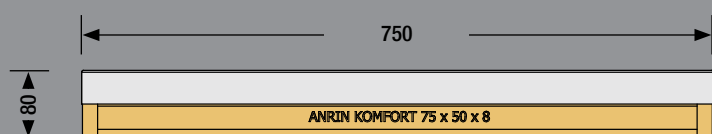
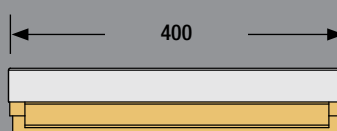
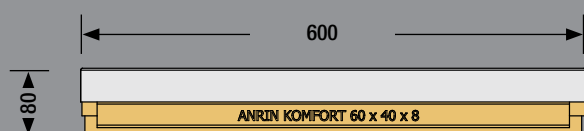


Position channel string, sump unit and end cap on the concrete bed.

Install paving. The layer should end 2 to 5 mm higher than the cover grating.



SELF comfort boot scrapers in three practical sizes



Tip

With ANRIN SELF products you protect the environment, because our resin concrete is resistant to heavy loads as well as frost and thawing salt. It is also recyclable, suitable for potable water and resistant to a number of chemical substances.

ANRIN DIRECT CONTACT: +49 (0) 29 47.97 81-0

ANRIN SELF comfort boot scrapers

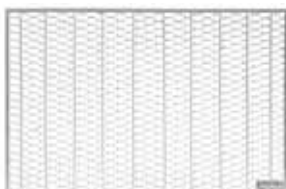
In order to keep entry areas to home clean and dry and for a presentable design, all ANRIN SELF comfort boot scrapers are integrated into the new ground surface. As a result, dirt always remains outside your door, even under

heavy demands. Modern diamond or mesh grating made of galvanised steel and aluminium grating with rubber or needle-felt strips offer the right solution for every use.

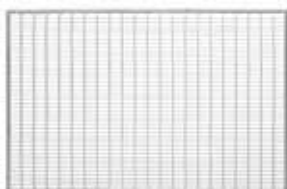
Product specifications	small	medium	large
Material	Resin concrete	Resin concrete	Resin concrete
Length	60 cm	75 cm	100 cm
Width	40 cm	50 cm	50 cm
Height	8 cm	8 cm	8 cm
Weight	11.7 kg	19.7 kg	22.9 kg
Drain	DA/OD 110	DA/OD 110	DA/OD 110
Edge type	Steel edge rail, 6 mm, galvanised	Steel edge rail, 6 mm, galvanised	Steel edge rail, 6 mm, galvanised
Cover gratings	Freely selectable	Freely selectable	Freely selectable

Cover gratings

Diamond grating,
galvanised



Mesh steel grating
MW 9 x 30, galvanised



Aluminium grating
with rubber strips



Aluminium grating
with needle-felt strips



Installation instructions



Prepare the surface so that the top edge of the comfort boot scraper ends flush with the top edge of the finished ground surface. Integrate any pipelines to be connected.



Place the scraper box in the ground, on the concrete bed if possible, connect any necessary pipeline and align with the surface.



Fit the cover grating in place and install the surrounding surface structure.

SELF yard sump in various designs

- ① **Yard sump**
with slotted cast iron grating
- ② **Yard sump**
with slotted steel grating
- ③ **Raising piece**
to increase the installation height,
with moulded fall pipe connection



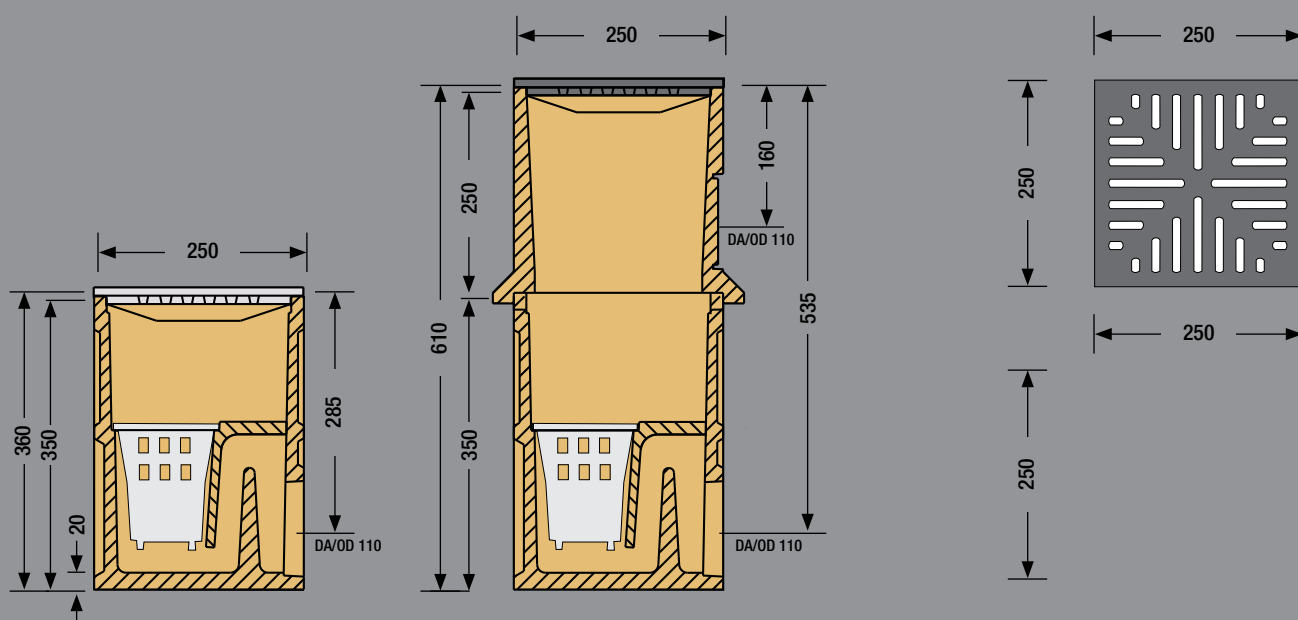
①



②



③



Tip

When installing ANPIN SELF products, always make sure that the subsurface has a sufficient load capacity and is well condensed. In doing so, the drainage module in the concrete bed gains the necessary stability to accommodate the forces applied and to dissipate them into the surrounding soil.

ANPIN DIRECT CONTACT: **+49 (0) 29 47.97 81-0**

Product specifications	SELF yard sump with galv. Slotted steel grating	SELF yard sump with slotted cast iron grating	SELF yard sump Raising piece
Material	Resin concrete	Resin concrete	Resin concrete
Length	25 cm	25 cm	25 cm
Width	25 cm	25 cm	25 cm
Height	35 cm	35 cm	25 cm
Weight	15.4 kg	19.8 kg	5.8 kg
Drain	DA/OD 110	DA/OD 110	DA/OD 110
Load capacity	Drivable	Drivable	Drivable
Cover	Slotted steel grating	Slotted cast iron grating	Slotted steel or cast iron grating

Cover gratings

Slotted cast iron grating



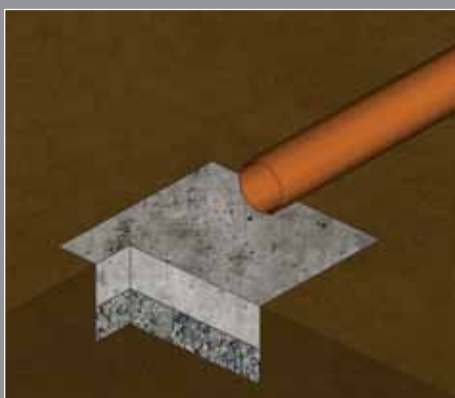
Slotted steel grating



Installation example

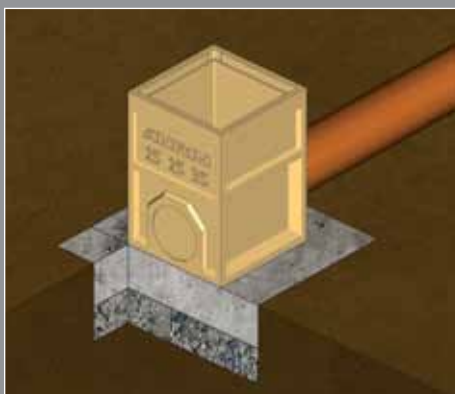
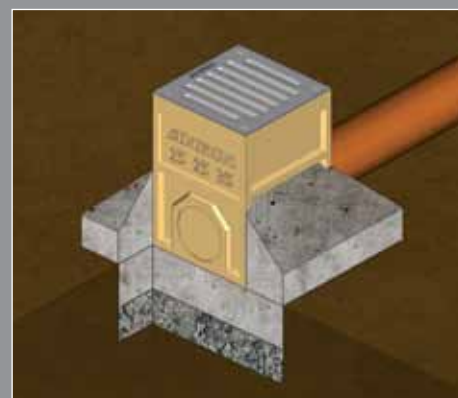


Installation instructions – ANRIN SELF yard sump in paving



Install the pipeline to the yard sump. Excavate the trench and fill in the concrete bed of 3 parts sand + 1 part water + 1 part cement. With the installation of a yard sump with raising piece, observe the corresponding installation depth.

Fill in the concrete bed and raise it at the sides of the sump unit.
Fit the cover grating.



Place the yard sump on the concrete bed and align. Connect the pipeline. With connection of a rainfall pipe, make the perforation on the raising piece and fit the pipe socket. Connect the fall pipe.

Install paving.
The layer should end 2 to 5 mm higher than the cover grating.





We invite you
to discover more.

Whether you are already planning a specific project or simply want to learn more about the general possibilities: Contact us and put our expertise to the test.

ANRIN GmbH
Siemensstraße 1
D-59609 Anröchte
Phone: +49 (0) 29 47.97 81-0
Fax: +49 (0) 29 47.97 81-50
Email: info@anrin.com
Internet: www.anrin.com

Dealer stamp

