

BG-Filcoten® dreneringsrenner

INSTALLASJONSVEILEDNING
BG-Filcoten® Punktavløp





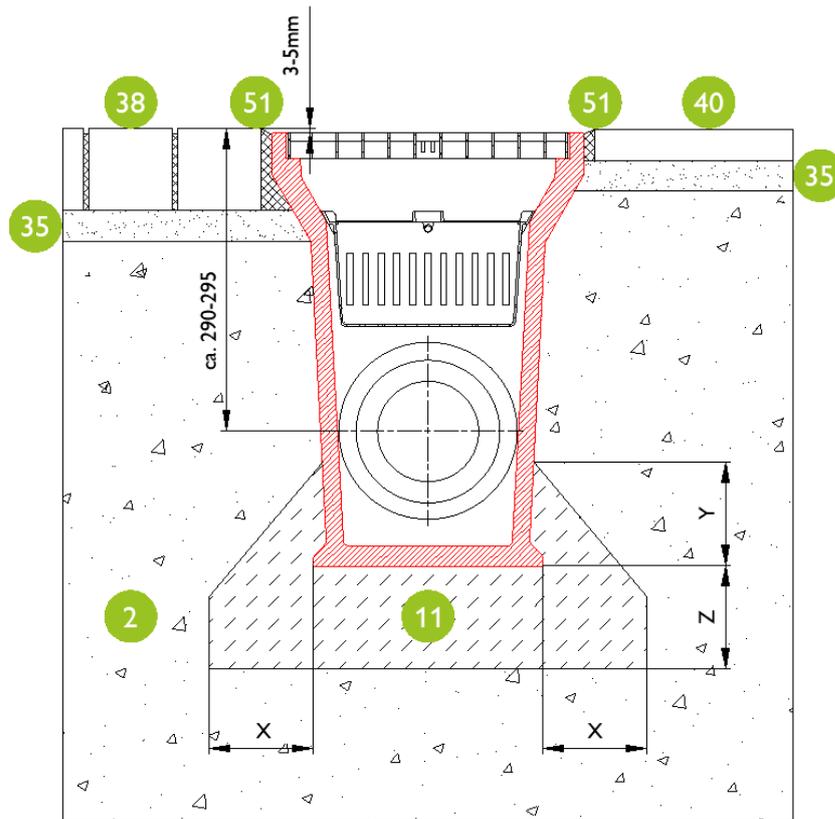
general note

The following installation guidelines and examples are designed to use for an accepted standard. The installation location according to EN 124 has to be adapted to the location conditions from the planner. Consider the common known technical rules and guidelines which are accepted among experts. In special cases contact the BG - application engineers.

installation instruction FILCOTEN® yard gully

1. FILCOTEN® yard gully are set up in a concrete-bedding according to Ö-Norm B4710-1 or in drainage-concrete according to RVS 08.18.01. With cured concrete floors a mortar bed of at least 2 cm is necessary. A lateral support wedge is required.
2. All adjacent surfaces should be permanently 3-5mm higher than the surface of the yard gully to avoid mechanical damage (e.g. snow clearing) and to guarantee the water drainage.
3. Take note of the different heights of yard gullies (with or without ductile iron frame) and start setting with the preparation of the pipe´s for the outlet.
4. After placing the yard gully in it´s correct position backfill and compact evenly.
5. Before assembling the adjacent cover layer make sure that the cover is inserted. Pay attention not to damage the gully while compacting the superstructure and the pavement (asphalt, pavement, concrete).
6. occurring shear forces pavement must be positively connected to the support wedge. This can be done by offsetting the first three pavement rows (at the yard gully) in a mortar bed. The joints have to be mineral backfilled. Push forces from the pavement must not act directly on the channel walls (eg thermal expansion, braking forces, ...)

Pflaster / pavement - Plattenbelag / flag pavement:
 Kl. / cl. A - PKW-befahrbar / car accessible

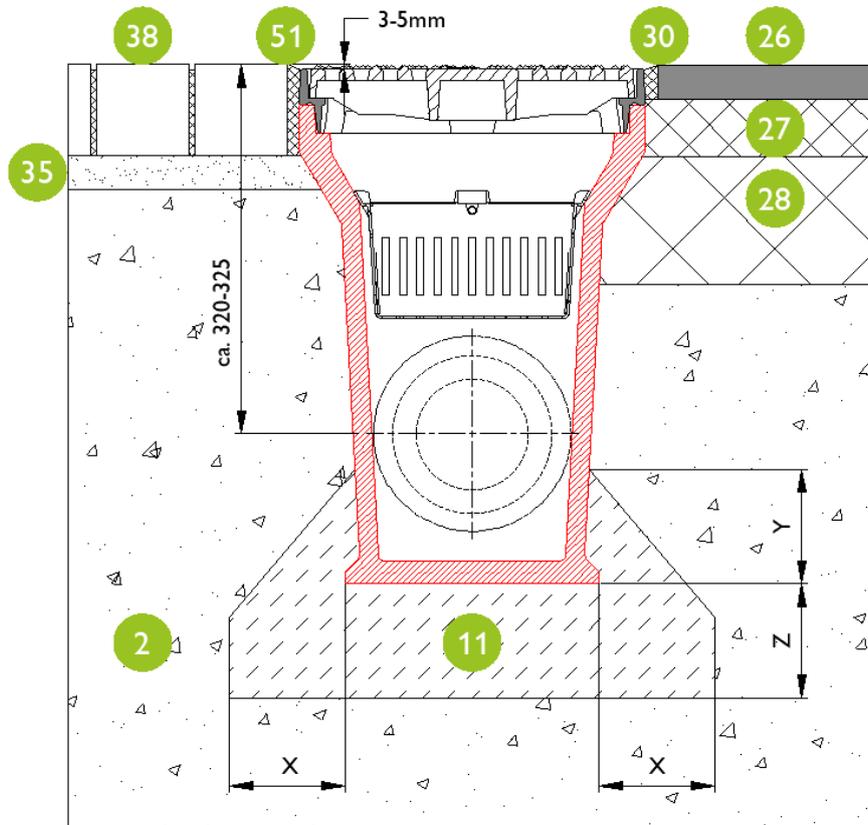


Legende / key:

- | | | | |
|-----|--|-----|---|
| 2. | tragfähige Schotterschicht /
load-bearing gravel layer | 35. | Splittbett / grit bed |
| 11. | Betonfundament lt. statischer Bemessung /
concrete foundation acc. to static calculations | 38. | Pflastersteine / paving stones |
| | | 40. | Plattenbelag / paving |
| | | 51. | Lunker-freier Fugen-Verguss / cavity free sealing |

Belastungsklasse / load class	A 15 kN	PKW-befahrbar / car accessible	B 125
Betongüte - Fundament gem. / concrete quality - base acc. to Ö-Norm B4710-1*	C 16/20	C 20/25	C 20/25
Breite / width: X	≥ 10 cm	≥ 10 cm	≥ 10 cm
Höhe / height: Y	≥ 10 cm	≥ 10 cm	≥ 10 cm
Stärke / thickness: Z	≥ 10 cm	≥ 10 cm	≥ 10 cm
Konstruktive Bewehrung / structural reinforcement	nicht erforderlich / not necessary		
* Betongüte ist eine Mindestanforderung und den örtlichen Anforderungen anzupassen. * Concrete quality is a minimum requirement and has to be adapted to the local conditions.			

Pflaster / pavement - Asphalt / asphalt: Kl. / cl. A - B

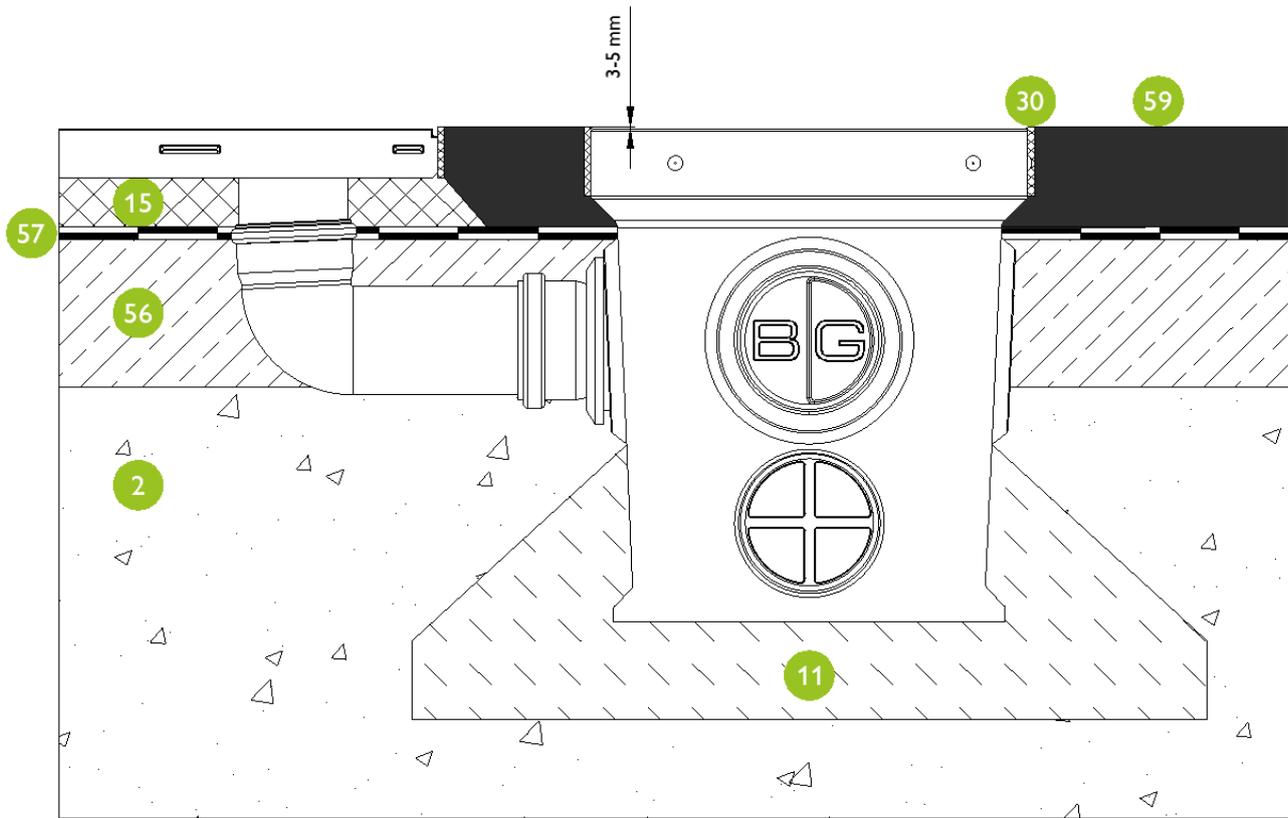


Legende / key:

- | | | | |
|-----|--|-----|---|
| 2. | tragfähige Schotterschicht /
load-bearing gravel layer | 28. | tragfähige Bitumenschicht / bitumen layer |
| 11. | Betonfundament lt. statischer Bemessung /
concrete foundation acc. to static calculations | 30. | bituminöses Fugenband / bituminous sealing tape |
| 26. | Feinbelag / surface course | 35. | Splittbett / grit bed |
| 27. | Bitukies / bitumen gravel | 38. | Pflastersteine / paving stones |
| | | 51. | Lunker-freier Fugen-Verguss / cavity free sealing |

Belastungsklasse / load class	A 15 kN	PKW-befahrbar / car accessible	B 125
Betongüte - Fundament gem. / concrete quality - base acc. to Ö-Norm B4710-I*	C 16/20	C 20/25	C 20/25
Breite / width: X	≥ 10 cm	≥ 10 cm	≥ 10 cm
Höhe / height: Y	≥ 10 cm	≥ 10 cm	≥ 10 cm
Stärke / thickness: Z	≥ 10 cm	≥ 10 cm	≥ 10 cm
Konstruktive Bewehrung / structural reinforcement	nicht erforderlich / not necessary		
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Guss-Asphalt / melted-asphalt: Kl. / cl. A - C



Legende / key:

- | | | | |
|-----|--|-----|---|
| 2. | tragfähige Schottererschicht /
load-bearing gravel layer | 56. | Stahl-Betondecke / steel-reinforced concrete
surface |
| 11. | Betonfundament lt. statischer Bemessung /
concrete foundation acc. to static calculations | 57. | bituminöse Abdichtungsebene /
bituminous sealing layer |
| 15. | Drainagebeton / drainage concrete | 59. | Gussasphalt / mastic asphalt |
| 30. | bituminöses Fugenband / bituminous sealing tape | | |

Belastungsklasse / load class	A 15 kN	B 125 kN	C 250 kN
Betongüte - Fundament gem. / concrete quality - base acc. to Ö-Norm B4710-1*	C 16/20	C 20/25	C 20/25
Breite / width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm
Höhe / height: Y	Rinnenhöhe / channel height - 5 cm (mini - 3 cm)		
Stärke / thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm
Konstruktive Bewehrung / structural reinforcement	nicht erforderlich / not necessary		
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