



General note

The following installation guidelines and examples are designed to use for an accepted standard. The load class and the installation location according to EN 1433 have 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® parkline in asphalt or pavement

1. FILCOTEN® channels are set up in a concrete bedding according to Ö-Norm B4710-1 or in drainage-concrete according to RVS 08.18.01 or within a layer of flexible adhesive. Depending on the static requirements, a lateral supporting wedge or a concrete surrounding is required - for details see schemes.
2. Start setting the channels at the outlet of the channel line. Each channel is marked with an arrow showing the direction of flow.
3. The rebated joint between the channels can be sealed and cemented with appropriate sealing compounds – for description of material and quantity calculation see - BG sealing system.
4. Pay attention not to damage the channels while compacting the finished layer or the pavement (asphalt, pavement).
5. If there are occurring horizontally forces (e.g. due to pavement areas, gradients...) you have to build out an adequate running joint at an interval of 30 – 200 cm from the channel.
6. If there are occurring pushing forces, the pavement must be positively connected to the back support. This can be done by offsetting the first three pavement rows (at the channel line) 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, ...)
7. All adjacent surfaces should be permanently 3-5mm higher than the surface of the channel/grate to avoid mechanical damage (e.g. snow clearing) and to guarantee the water drainage.
8. In areas that were enhanced chemical attacks (eg, de-icing salts, acids, bases, etc.) can be expected, we recommend clearing the channels from debris and rinsing them with clear water.

Installation instruction FILCOTEN® parkline in concrete with sealing-layer

1. FILCOTEN® channels are set up in a recess upon an onsite sealant layer – that works together with the chosen surface sealant-system. The parkline channels are set in place punctually with concrete and are backfilled with grout-mortar afterwards - for details see schemes.
2. Start setting the channels at the outlet of the channel line. Each channel is marked with an arrow showing the direction of flow.



3. The rebated joint between the channels can be sealed and cemented with appropriate sealing compounds – for description of material and quantity calculation see - BG sealing system.
4. All adjacent surfaces should have a slope towards the channel to guarantee the water drainage.
5. In areas that were enhanced chemical attacks (e.g. de-icing salts, acids, bases, etc.) can be expected, we recommend clearing the channels from debris and rinsing them with clear water.