

# Rocks the parking facility like none before.

The conditions inside a multi-storey car park pose very different challenges for drainage systems. In the BG-FILCOTEN® parkline, a channel has been created to cope with these conditions like no other.

This is all made possible by the FILCOTEN® HPC (High Performance Concrete).

A modern, high-performance mineral concrete that makes a highly-developed structure possible and which gives the channel a wealth of positive features in a multi-storey car park.

## The best drainage performance, with maximum efficiency.

Alongside optimized drainage performance, the parkline system also offers a variety of properties for entirely new opportunities for increasing efficiency, both during installation and in day to day use.



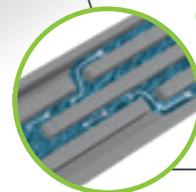
### Intelligent drain cover

- Stainless steel drain cover
- Can easily be removed for cleaning
- Functions as a sturdy walkway bridge



### Drainage-optimized channel body

The draining water is channeled into the drain in the center via the two branch channels.



### bottom outlet

DN 100 (drainpipe, required on-site)

### Comb profile

- Suitable for wheelchairs
- Slot width of 12.5 mm, 17 mm or 18 mm, based on the requirements of EN 1433
- Almost no height difference from the surrounding roadway



System representation: BG-FILCOTEN® parkline NW 150, BH 35



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<sup>1)</sup> No use of synthetic resins.

## Innovative connecting element

- Allows for a wide variety of combinations for channel runs (cross, T/L connection)
- Made entirely from FILCOTEN<sup>®</sup> HPC, high stability
- Efficient water conductivity thanks to intelligent construction

## Perfectly engineered sealing joint

- Sealable butt joint, easily accessible
- and inspectable
- in line with EN 1433
- In order to create a sealed system and connect with the surface coating system, a seal should be made below the parkline elements.

## Verified LCA (Life Cycle Assessment)

- low greenhouse gas emission levels
- Manufactured with 100% green electricity
- Resource-efficient manufacturing process

## Load class C 250

## Installation height/width

Available in three versions:  
H = 35 mm / W = 150 mm  
H = 50 mm / W = 150 mm  
H = 50 mm / W = 300 mm

## Perfect for renovations.

- Can be applied regardless of previously used systems owing to the flat construction
- Can be installed in existing recesses

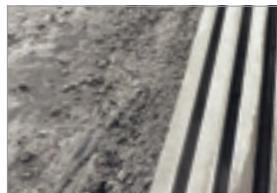
## A perfect fit

Side fixing pouches reinforce the firm fit in the concrete bed and ensure additional stability.



## Very quiet

- The even cross-section & monolithic construction prevents noise when driven over
- No complaints from residents about rattling gratings



## Powerful connection

The coefficient of expansion for FILCOTEN<sup>®</sup> HPC is identical to that of concrete, meaning that the material is perfectly suited to ensuring a long-term, firm fit.

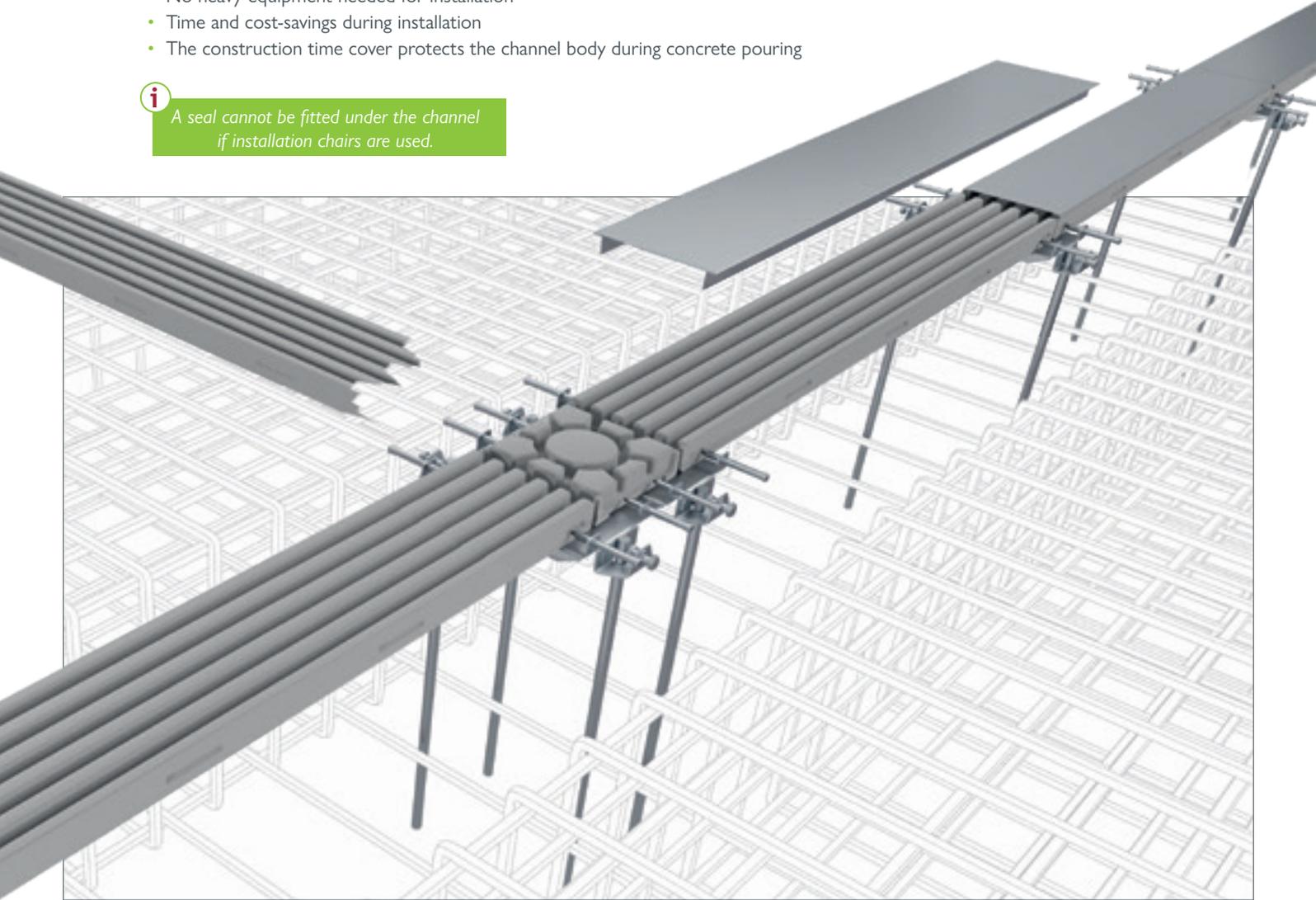
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# Simple, extremely sturdy laying.

- Mounting with installation chairs possible
- Channel bodies are pre-installed with elevation and are then completely set in concrete
- Fastening with screws ensures quick and easy laying as well as high stability
- No heavy equipment needed for installation
- Time and cost-savings during installation
- The construction time cover protects the channel body during concrete pouring



A seal cannot be fitted under the channel if installation chairs are used.



## Easy cleaning and maintenance

- No separate grates
- Easy to check for contamination without removing gratings
- Easy to clean thanks to clear outlet cross-sections without covers



Joint raking



Pressure washer



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Take the practical test – with our BG blog.

# Discover our case studies on multi-storey car park drainage.



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### Only the best

Nowadays, shopping centers are modern, vibrant urban spaces offering a wealth of experiences. A pleasant journey ...



[www.say.bg/en/blog-sillpark](http://www.say.bg/en/blog-sillpark)



## APARTMENT BUILDINGS GÜMLIGEN

### Looking for the right material

Sometimes it's worth sitting out on tendering and looking for alternative possibilities ...



[www.say.bg/en/blog-guemlingen](http://www.say.bg/en/blog-guemlingen)



## BG-FILCOTEN® parkline

### Keep calm and park your car.

When it comes to drainage, multi-storey car park planners and operators are faced with a number of challenges ...



[www.say.bg/en/blog-parkline](http://www.say.bg/en/blog-parkline)

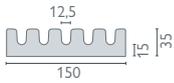
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up to load class C 250

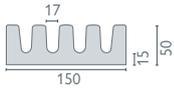
# BG-FILCOTEN® parkline



## BG-FILCOTEN® parkline, nominal width 150 – BH 35 mm

Channel made of FILCOTEN® HPC (High Performance Concrete) up to class C

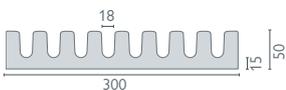
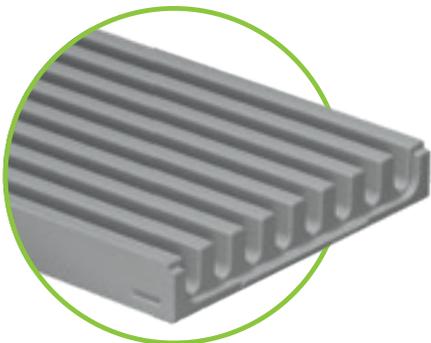
Item no.	SW in mm	Length in mm	Height in mm	Volume in running m.	Weight in kg
Channel without slope					
12515005	12,5	1000	35	1,1	9,2
Channel with bottom outlet DN 100					
12515075	12,5	1000	35	1,1	8,9



## BG-FILCOTEN® parkline, nominal width 150 – CH 50 mm

Channel made of FILCOTEN® HPC (High Performance Concrete) up to class C

Item no.	SW in mm	Length in mm	Height in mm	Volume in running m.	Weight in kg
Channel without slope					
12515001	17	1000	50	2,0	11,9
Channel with bottom outlet DN 100					
12515071	17	1000	50	2,0	11,6



## BG-FILCOTEN® parkline, nominal width 300 – CH 50 mm

Channel made of FILCOTEN® HPC (High Performance Concrete) up to class C

Item no.	SW in mm	Length in mm	Height in mm	Volume in running m.	Weight in kg
Channel without slope					
12530000	18	1000	50	4,5	25,3
Channel with bottom outlet DN 100					
12530070	18	1000	50	4,5	25,0



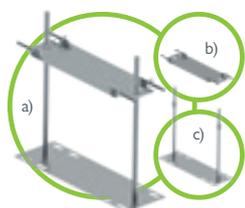
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## Accessories

for BG-FILCOTEN® parkline

Item no.	Accessories	Material	Weight in kg
parkline, nominal width 150 – CH 35 mm			
12515084	Cross corner element, 150/150/35 mm, H = 35 mm, SW 12.5 mm	FILCOTEN® HPC	1,3
12515383	Drain cover, double bridge	stainless steel	0,2
12515385	Front cap	stainless steel	0,1
19015926	SET installation supports, size 1, lower section, including nuts <sup>1)</sup>	galvanised	1,1
19015927	SET installation supports, size 1, top section, including bolts	galvanised	0,4
12515291	Construction time cover, 1000/150/14 mm	galvanised steel	1,5
12515392	Cleaning rake (without handle)	stainless steel	0,3
parkline, nominal width 150 – CH 50 mm			
12515081	Cross corner element, 150/150/50 mm, H = 50 mm, SW 17 mm	FILCOTEN® HPC	1,8
12515384	Drain cover	stainless steel	0,1
12515386	Front cap	stainless steel	0,1
19015926	SET installation supports, size 1, lower section, including nuts <sup>1)</sup>	galvanised	1,1
19015927	SET installation supports, size 1, top section, including bolts	galvanised	0,4
12515292	Construction time cover, 1000/150/14 mm	galvanised steel	1,3
12515391	Cleaning rake (without handle)	stainless steel	0,2
parkline, nominal width 300 – CH 50 mm			
12530080	Cross corner element, 300/300/50 mm, H = 50 mm, SW 18 mm	FILCOTEN® HPC	7,6
12515384	Drain cover	stainless steel	0,1
12530386	Front cap	stainless steel	0,1
19030926	SET installation supports, size 3, lower section, including nuts <sup>1)</sup>	galvanised	1,4
19030927	SET installation supports, size 3, top section, including bolts	galvanised	0,7
12530291	Construction time cover, 1000/300/20 mm	galvanised steel	2,8
12530390	Cleaning rake (without handle)	stainless steel	0,5

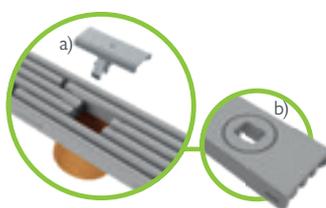


Installation supports, galvanised, to match NW

- a) Top part set + lower part set
- b) Top part set incl. bolts
- c) Lower part set incl. nuts



cross element from FILCOTEN® HPC for easy creation of train crossings



a) Drain cover made of stainless steel  
b) Outlet opening



Construction time cover to fit nominal width made of galvanised steel



Front cap made of stainless steel

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<sup>1)</sup> If the lower part is not used, threaded rods and nuts must be provided by the customer.

# BG-FILCOTEN® When opposites,

FILCOTEN® HPC (High Performance Concrete) is a material that unites outstanding technical properties with ecological sustainability. The optimised high-density structure of HPC makes it possible to construct highly stable lightweight drainage channels – but it's the idea behind it that makes it unique.

## Unique concept, revolutionary results.

Our engineers wanted to create something which combines two extreme opposites: maximum performance with minimal environmental impact.

## Maximum performance, minimal environmental impact.

After intensive development, they finally achieved their goal. FILCOTEN® HPC embodies these opposites, making it unique in the marketplace.



### Minimal weight

- FILCOTEN® HPC enables a lightweight construction
- quick and easy to install
- Dimensionally stable, robust concrete elements



### Maximum robustness

- Unsurpassed stability and durability
- High pressure resistance clearly exceeding the requirements per EN 1433 for concrete channels



### Resistant to extreme temperatures and UV light

- Maximum resistance to frost and de-icing salt
- UV resistant



### Fireproof

- Non-combustible building material – Class A1
- Therefore emits no toxic smoke



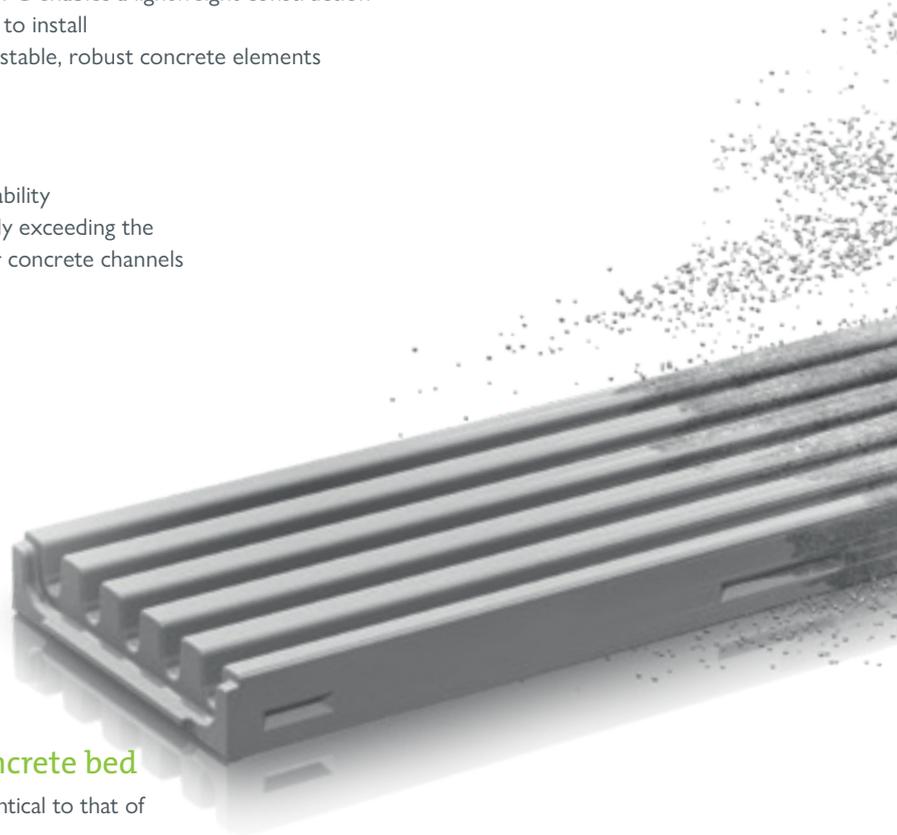
### Perfect hold: in the concrete bed

- Ideal expansion coefficient, identical to that of the surrounding concrete



### High drainage performance

- Low water absorption and penetration
- Smooth channel surface for high drainage performance and optimal self-cleaning effect



# attract great things.



## Verified Life Cycle Assessment

- ecological transparency under ISO 14040/14044 and EN 15804
- ideal for sustainable construction projects



## Sustainable production

- Manufactured with 100% green power
- Resource-efficient manufacturing process
- approx. 40% from in-house photovoltaic plant



## End-to-end resource conservation

- 100% recyclable, certified
- Quality class U-A (certified by the Bautechnische Versuchs- und Forschungsanstalt Salzburg (bvfs)).



## Certified for sustainability and low emissions

- Certified environmental and energy management under ISO 14001 or 50001 at the location of Oberwang / AT
- certified biologically sound construction material that meets the stringent testing criteria of the IBR, the Institute for Biologically Sound Construction, for heavy metals, VOCs, biocides and radioactivity, styrene free <sup>1)</sup>



Sustainability

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