

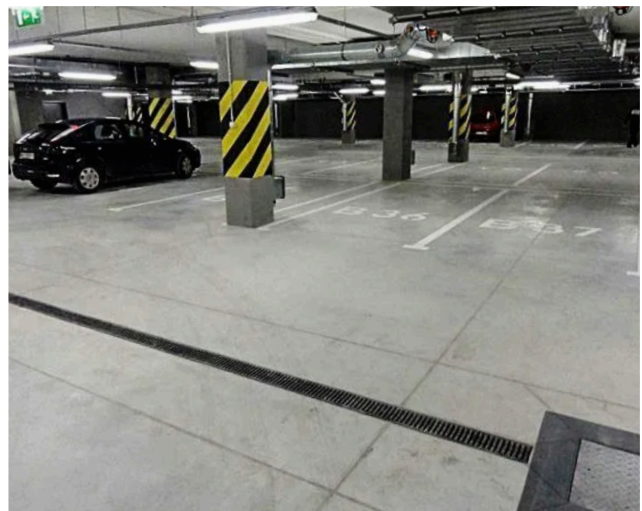
FASERFIX PARK

Underground parking

The presence of surface water in underground parking areas can come from numerous sources. For example, rainwater or snow can be carried in from vehicles, water from testing fire sprinklers, inadequate damp-proofing or poor ramp drainage. It can also depend upon the following factors:

- The number of vehicle movements per day
- The size of the vehicles and the underground parking space
- The time of year and the length of the routes (e.g. across several levels)
- Weather conditions outside

Hydraulic performance - without an accurate hydraulic calculation and a reliable drainage system, it could increase the risk of damage to the building's structure.



Additional challenges for underground parking:

Corrosive environments:

Parking surfaces and channel gratings are subject to continual attack by corrosive substances including oil, petrol, brake fluid, cleaning detergents and de-icing salts. Therefore, the drainage solution must be durable and corrosion-resistant.

Loads and forces:

Turning tightly around columns, ramps and small parking spaces imposes significant loads, stress and forces on the system and adjacent surface. Linear drainage across ramps is subject to high impact loads when trafficked.

Installation depth restrictions:

Floor structures within underground car parks, often have limited depth available for installation of surface drainage above damp-proof membranes. If there are depth restrictions, linear drainage systems will need to have shallow inverts.

High surface water run-off:

Due to the steep incline of underground ramps, surface water flows more quickly. The channel system gratings should be selected for an efficient interception to avoid surface water crossing over drainage channels.

FASERFIX PARK **NEW**

Evaporation channel for multi-storey and underground car parks.



Our solution - your benefit with FASERFIX PARK

The **FASERFIX PARK** evaporation channel is ideal for low installation heights in multi-storey and underground car parks. The monolithic design promotes a low-noise crossing. The barrier-free system can withstand loads up to **load class D 400**. With low water intake, the channel can be used as a retention area for evaporation. For larger volumes of water (e.g. near the driveway), a pipe connection can be used to ensure drainage. In this way, **FASERFIX PARK** makes a significant contribution to safety and building protection.

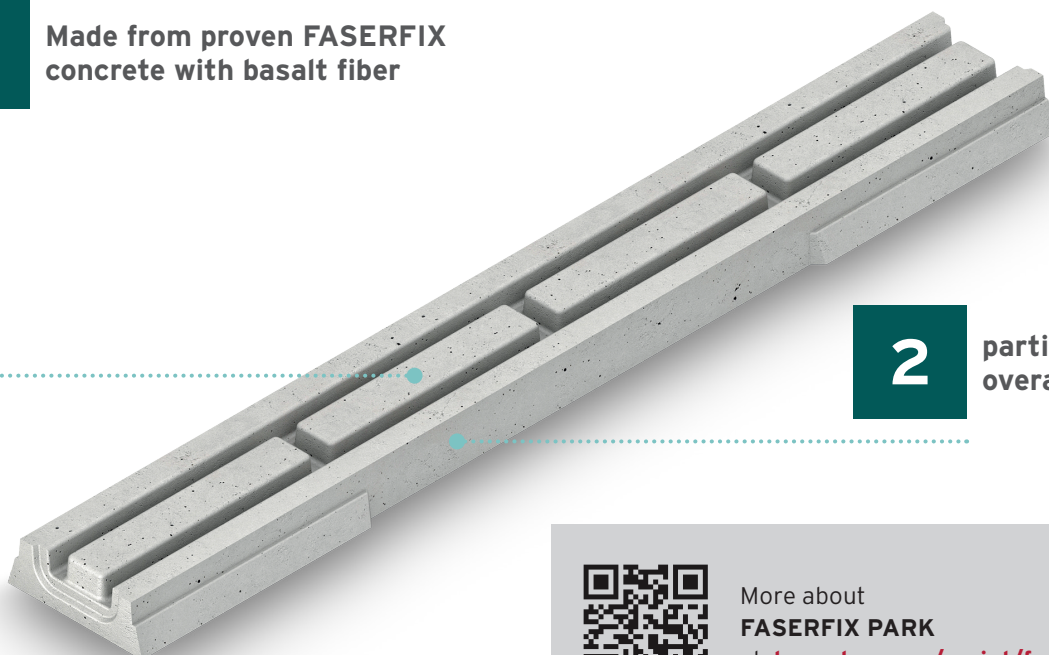
- ✓ Barrier-free and nearly maintenance-free
- ✓ Made of proven **FASERFIX** concrete with basalt fibre
- ✓ Stainless steel V4A end cap
- ✓ No rattling noises when driving over
- ✓ Easy handling during installation due to low weight
- ✓ Safety joint optionally sealable

1

Made from proven **FASERFIX** concrete with basalt fiber

2

particularly flat overall height



More about **FASERFIX PARK**
at: hauraton.com/en-int/faserfix-park

