



Take advantage of the outstanding properties of polymer concrete:

The special polymer concrete used by MEA is characterised by outstanding physical and chemical properties. This makes it an extremely reliable and multi-faceted material under the most severe conditions. The material – comprising natural minerals like quartz, basalt and granite, which are bound together by a resinous mixture – is extremely robust and possesses extremely high compressive and flexural strength. Channels made from polymer concrete are equally compelling because their

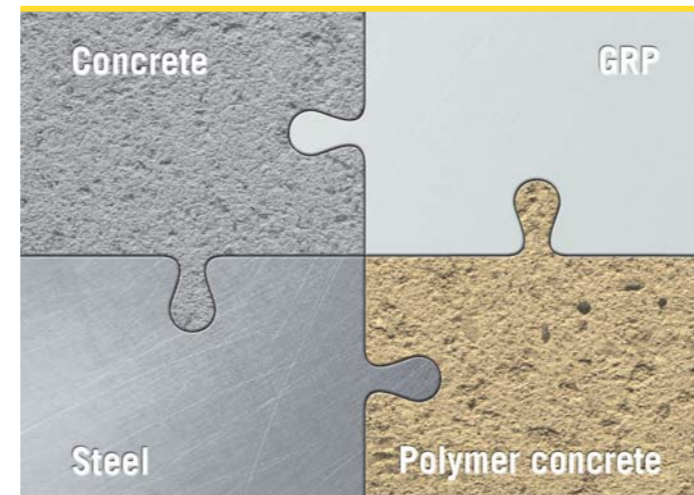
weight is considerably lower than conventional channels; this in turn makes channel installation appreciably easier. Thanks to their outstanding resistance to chemical liquids, MEA polymer concrete channels are the first choice when it comes to eco-friendly drainage solutions and the protection of groundwater. The many advantages of MEA's custom-developed polymer concrete make this material the successful basis for the MEADRAIN® Solution PG channel system.

Key advantages of polymer concrete as a material:

- Completely impermeable to liquids
- Density 2,1-2,3 kg/dm³
- Extremely good resistance to chemicals
- High compressive strength ≥ 90 N/mm²
- Extreme flexural strength ≥ 22 N/mm²
- Rapid discharge of water and dirt particles
- Extremely resistant to ageing – frost-proof, wear-resilient and maintenance-free
- Appreciably lighter than conventional concrete channels
- Eco-friendly material with mineral aggregates

Load classes for MEADRAIN® Solution PG:

- | | | |
|--|--|--|
| <p>A 15</p> <ul style="list-style-type: none"> ■ Pedestrians ■ Cyclists ■ Green spaces | <p>B 125</p> <ul style="list-style-type: none"> ■ Car parks and parking decks ■ Delivery vans | <p>C 250</p> <ul style="list-style-type: none"> ■ Trucks and goods vehicles ■ Roadsides ■ Verges |
|--|--|--|



MEA has proven comprehensive material expertise and develops special solutions for every need. This means that **MEA Drainage** not only offers the most suitable channel for a wide range of applications, but also the most appropriate material in every instance: polymer concrete, concrete, glass-fibre reinforced polyester (GRP) or steel. Continuous research and further development by an experienced team is your guarantee of the best possible material quality that meets modern-day standards. This combination of optimal channel shape and material enables **MEA** to offer perfect drainage solutions for the most demanding applications.

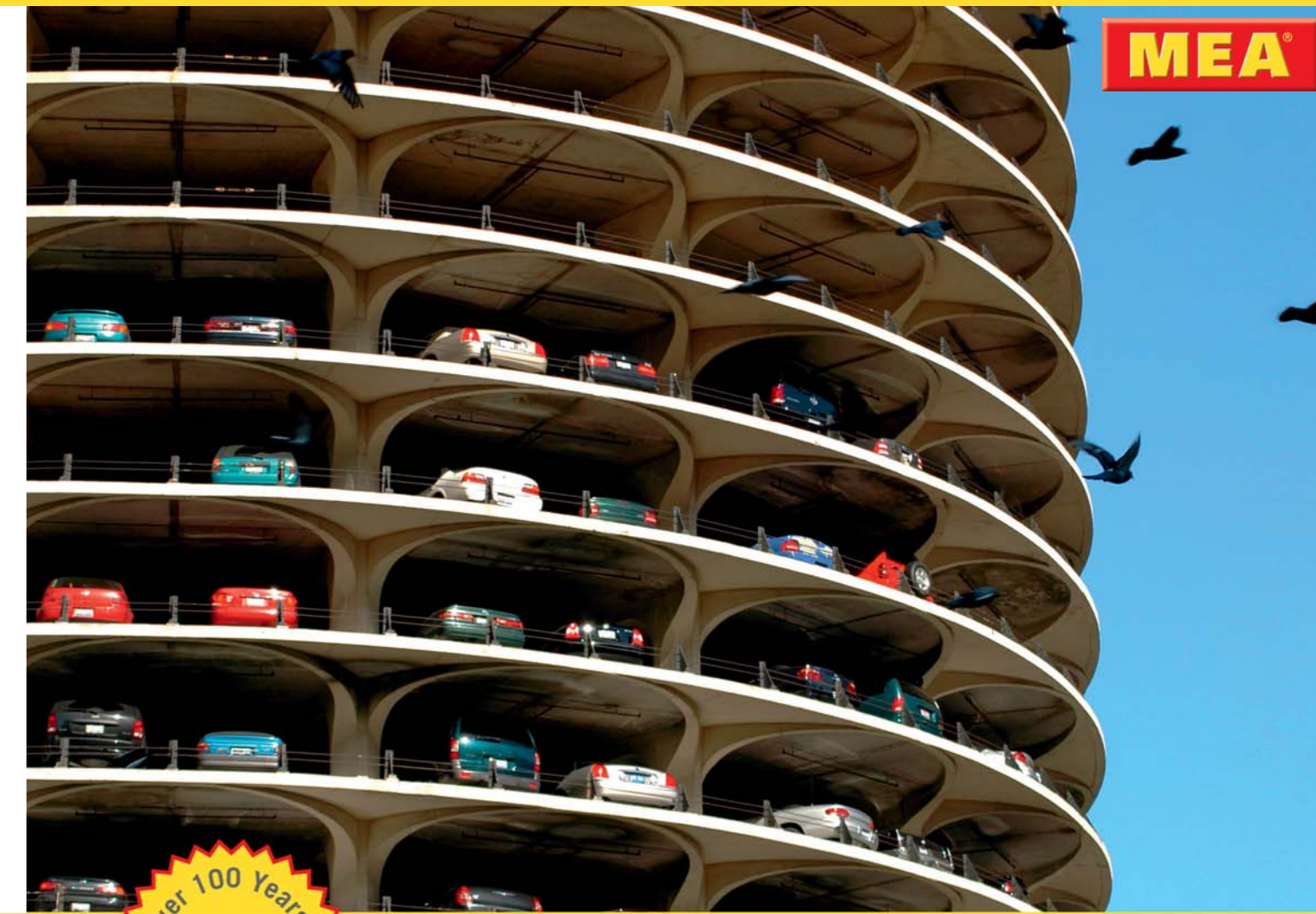
See for yourself – with **MEA** you'll always park on dry ground!

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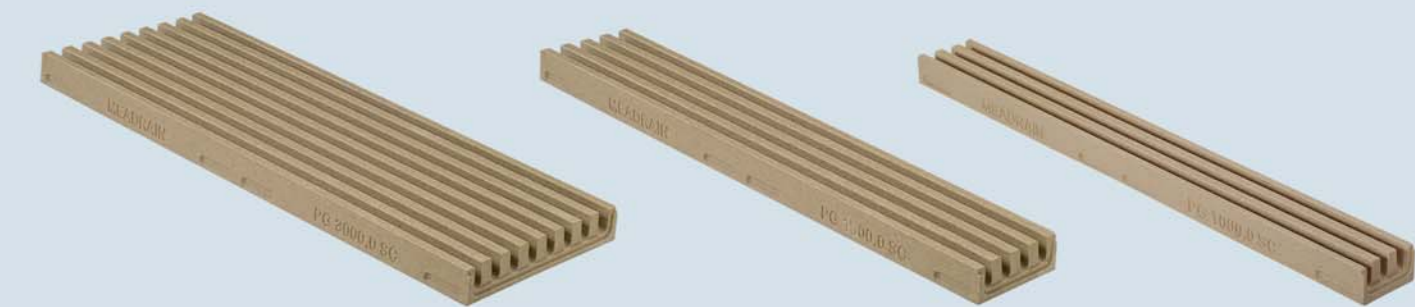
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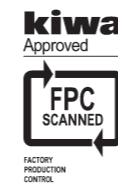
MEADRAIN® Solution PG

The innovative drainage solution for indoor projects

Discrete, versatile and noise-free



MEA Drainage Systems



Your partner for MEA Drainage

PG EN/08.08/MR

With MEA, you'll always park on dry ground!

MEADRAIN® Solution PG – the innovative indoor drainage system

An important, but often neglected aspect in the planning of 'indoor' projects such as multi-storey car parks, underground car parks and industrial halls is the issue of drainage.

With the intelligently-designed MEADRAIN® Solution PG channel system, MEA is the first manufacturer to offer an innovative complete solution that addresses these special needs. The result: an entirely compelling drainage solution.

In opting for a monolithic channel system, MEA achieved a decisive product development for the MEADRAIN® Solution PG. Entirely devoid of moving parts, it is noise-free and sets new standards for channel use in underground car parks. What's more, the combination of polymer concrete – a modern and corrosion-free material – and the patent-

applied-for comb profile offers up new worlds of design possibilities for planners. Its low overall height of only 50 mm ensures the channel can be accommodated readily in floor and ceiling structures with only minimal removal. In practical use, the Solution PG is compelling due to the quick and simple way it can be cleaned without the need to remove a cover.

Whereas the function of conventional channel systems is restricted to the drainage of water, the MEADRAIN® Solution PG can also be used as a guidance aid or ground surface indicator for the visually impaired. Norm-compliant slot widths guarantee wheelchair and bicycle-friendly trafficability. Whilst load resistance that is compliant with class C 250 naturally also guarantees trafficability by trucks and goods vehicles.

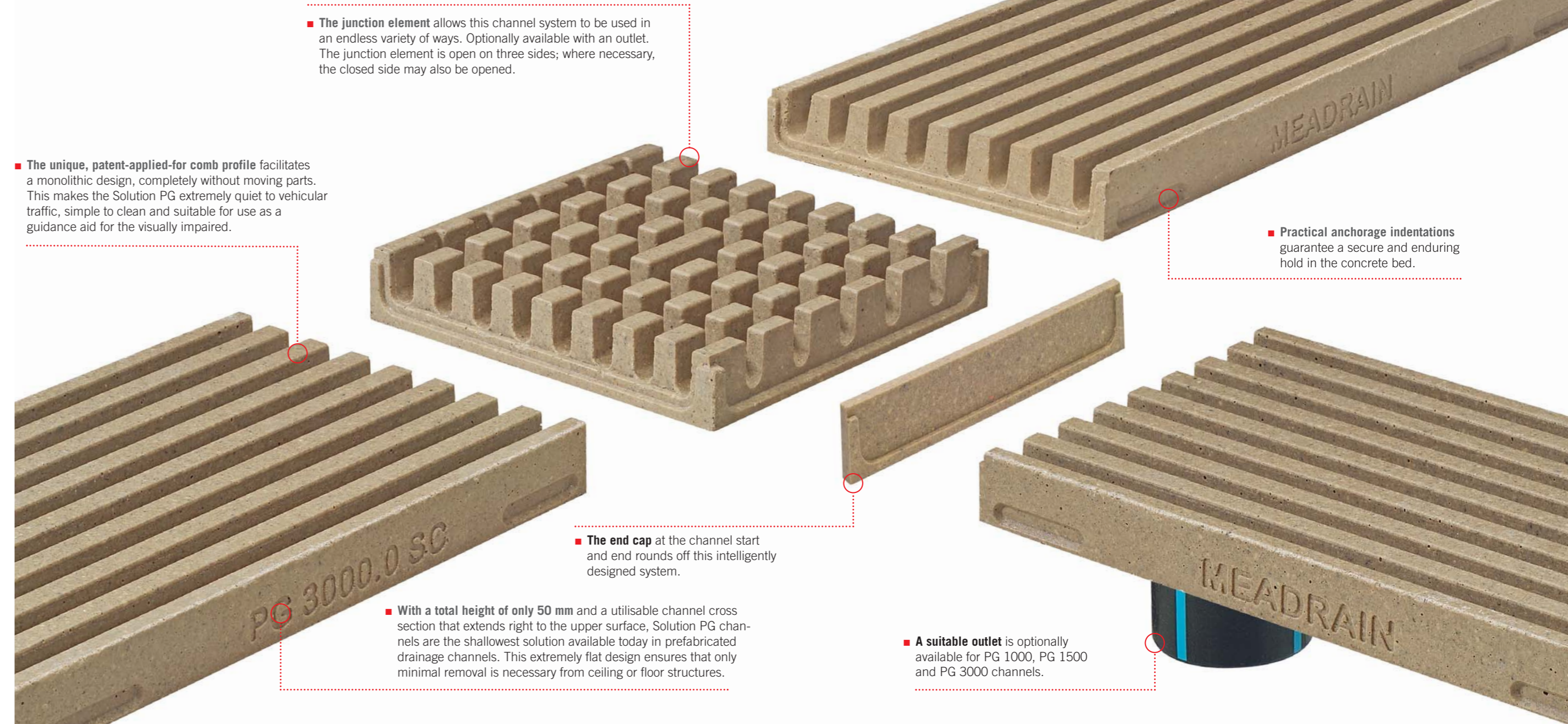
Advantages of the MEADRAIN® Solution PG flat channel system:

- Noise-free, since no moving parts
- Patent-applied-for comb profile
- Channel height only 50 mm
- Monolithic structural element – formed entirely of polymer concrete
- Load class to C 250, in compliance with EN 1433
- Simple installation without heavy lifting equipment
- Minimal removal from floor or ceiling structures
- Lends itself to individual and diverse applications
- Variable channel width thanks to parallel installation option
- CE certified
- Comb system doubles as a guidance aid and ground surface indicator for the visually impaired
- Norm-compliant slot width for wheelchair and bicycle-friendly trafficability

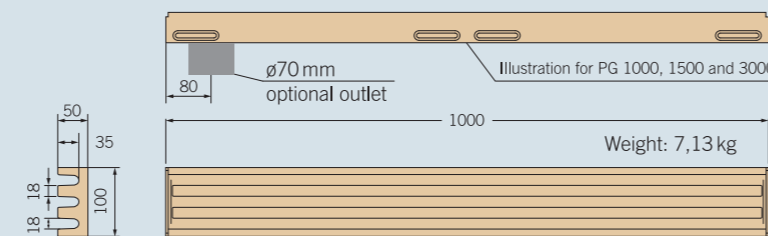


The flexible MEADRAIN® Solution PG channel system can be interconnected along its length – and across its width. This parallel installation freedom allows planners to produce unique channel widths, depending on the installation site and requirement profile.

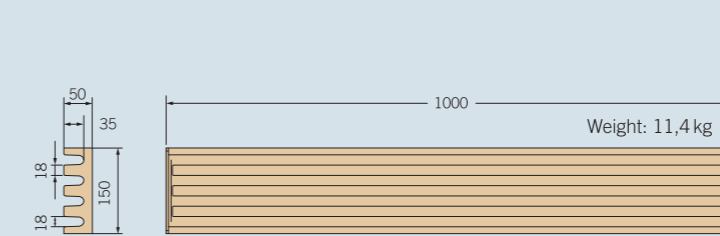
MEADRAIN® Solution PG – For boundless design options



Technical data PG 1000



Technical data PG 1500



Technical data PG 3000

