

MEADRAIN® Solution PG

The drainage solution for indoor projects



MEADRAIN® PG 1500

MEADRAIN® PG 3000

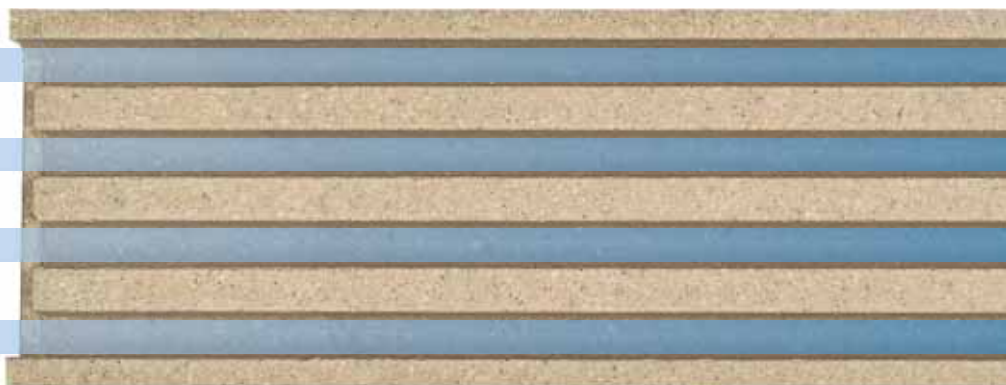
MEADRAIN® Solution PG System-based drainage



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

With the innovative **MEADRAIN® Solution PG** channel system, MEA is the first manufacturer to specifically address the requirements of planners and offer a total solution.

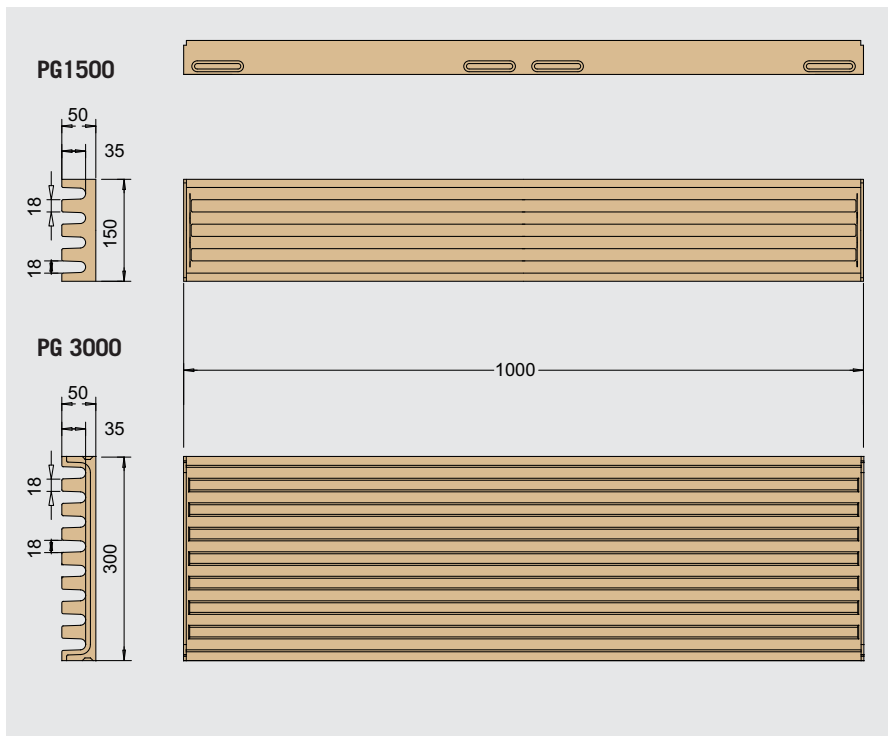
MEA has succeeded in achieving a decisive product development in the **MEADRAIN® Solution PG**: a combined channel body and covering within a single open design. The combination of polymer concrete, a modern building material, and the patent-applied-for comb profile gives planners new horizons for their designs.



The monolithic channel body is made completely without components susceptible to corrosion and is quick and easy to clean thanks to its open design that dispenses with the need for a removable cover. The extremely low noise volume generated by vehicle tyres travelling over such channels sets new standards for channel use in car parks.

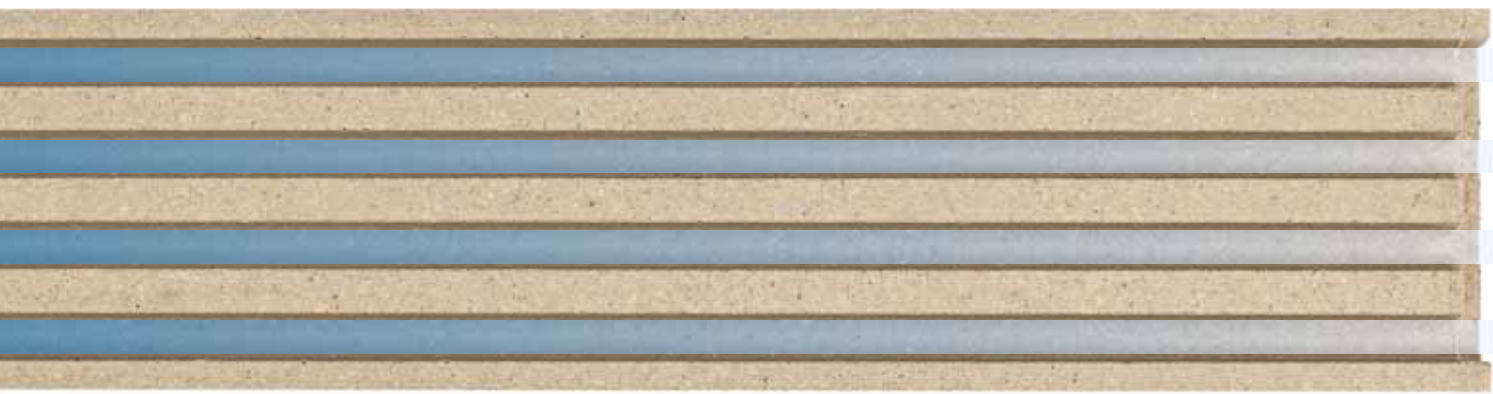
Whereas the function of conventional channel systems is restricted to the drainage of water, the **MEADRAIN® Solution PG** can also be used as a guidance aid or ground surface indicator for the visually impaired.

Norm-compliant slot widths guarantee wheelchair and bicycle-friendly trafficability, whilst load resistance compliant with class C 250 naturally guarantees trafficability by trucks and goods vehicles.



With an overall height of only 5 cm, and an effective cross-section that extends right to channel upper surface, the **MEADRAIN® Solution PG** presents the shallowest solution on the market today in prefabricated drainage channels. This extremely flat construction ensures that only a minimal removal is necessary from ceiling or floor structures.

With the **MEADRAIN® Solution PG 3000** now a channel width of 30 cm is also available.



Technical data PG 1500

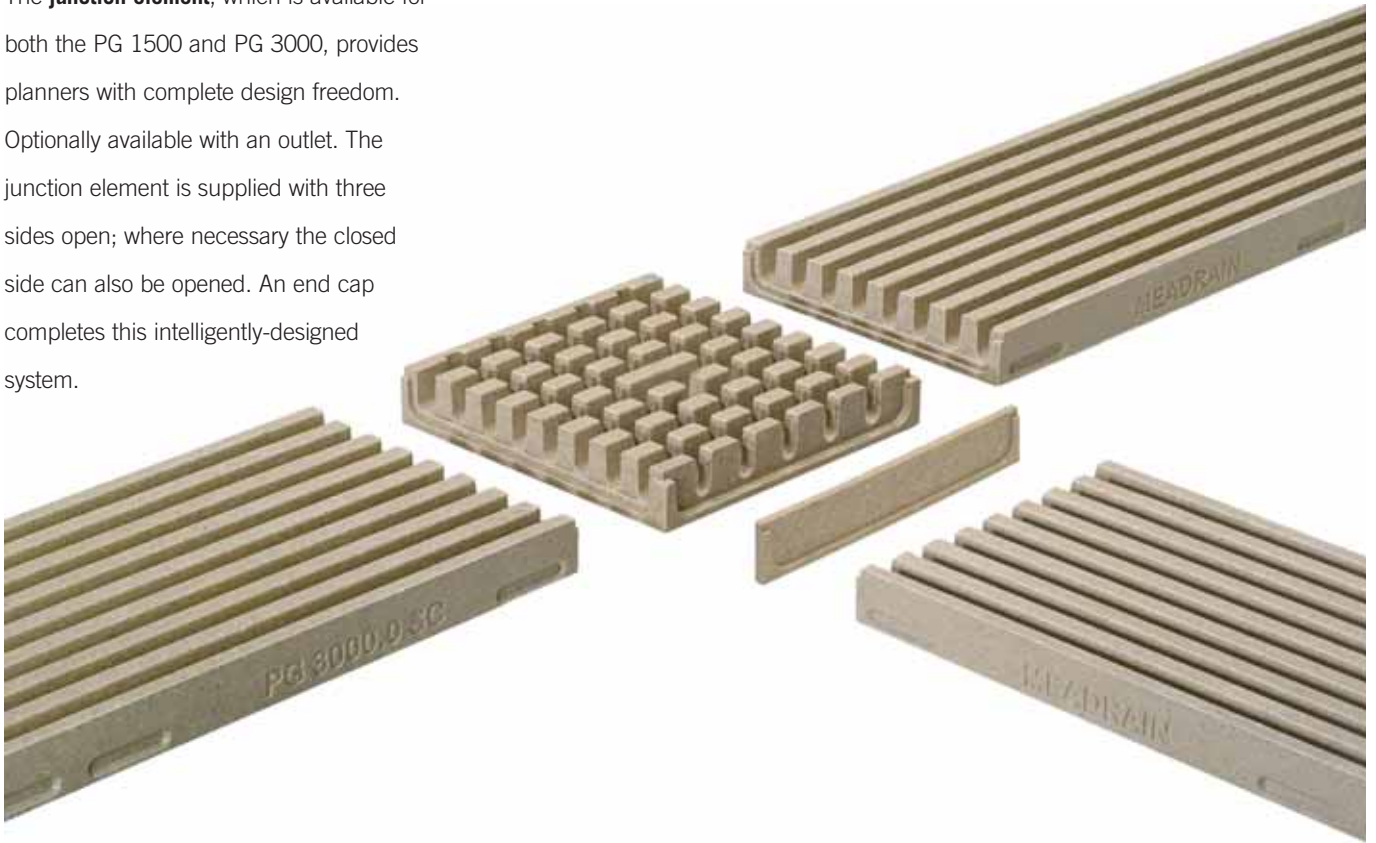
Length	1000 mm
Total width	150 mm
Total height	50 mm
Weight	11,4 kg
Type of fall	no fall
Load class	withstands passenger cars

Technical data PG 3000

Length	1000 mm
Total width	300 mm
Total height	50 mm
Weight	22,8 kg
Type of fall	no fall
Load class	withstands passenger cars

MEADRAIN® Solution PG: Unlimited design options

The **junction element**, which is available for both the PG 1500 and PG 3000, provides planners with complete design freedom. Optionally available with an outlet. The junction element is supplied with three sides open; where necessary the closed side can also be opened. An end cap completes this intelligently-designed system.

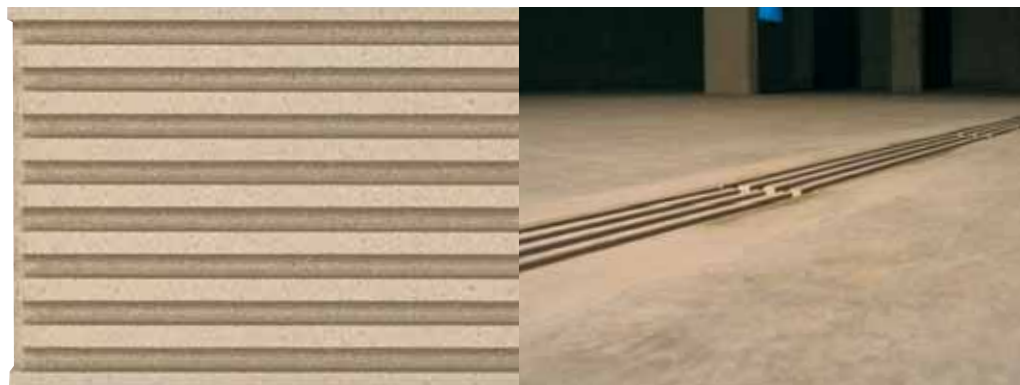


In contrast to other drainage systems that can only be lengthened longitudinally, the **MEADRAIN® Solution PG** system allows planners to add elements to one another lengthwise but also crosswise, and in doing so, even create a custom channel width.



Planning with the outstanding characteristics of polymer concrete:

MEA polymer concrete exhibits outstanding physical and chemical properties: the material has few pores, is impervious to fluids and resistant to ageing. It is able to withstand extremely high tensions resulting from pressure and flexion. Its outstanding resistance to liquid chemicals is particularly important for the protection of groundwater against hazardous substances. At the same time, the low body weight permits installation without additional machinery.



Compression resistance	≥ 90 N/mm ²
Flexural strength	≥ 22 N/mm ²
Water absorption	below 0,05%
Module of elasticity	25-35 kN/mm ²
Density	2,1-2,3 kg/dm ³
Water penetration depth	0 mm
Material structure	capillary free
Channel body weight	up to 75% less than conventional concrete channels
Resistance to acids	extremely resistant to chemical liquids (pH range 3-9)
Machining	problem-free with an abrasive grinding wheel, stone drill or chisel
Environmental friendliness	environmentally compatible material containing mineral aggregates
Resistance to ageing	totally frost proof, wear resilient, maintenance free

For enquiries in the UK and Ireland:

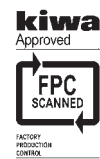
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Full technical support for all your needs:

