

## Planning with the outstanding characteristics of polymer concrete:

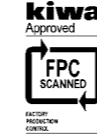
MEA polymer concrete exhibits outstanding physical and chemical properties: the material has few pores, is impervious to fluids and resistant to ageing. It has an extremely high tensile strength in response to compression and flexion. Its outstanding resistance to liquid chemicals is particularly important for the protection of groundwater against hazardous substances. At the same time, the low net weight of channel units facilitates installation without any additional, specialist equipment.



<b>Compressive resistance</b>	> 90 N/mm <sup>2</sup>
<b>Bending strength</b>	> 22 N/mm <sup>2</sup>
<b>Water absorption</b>	below 0.05%
<b>Modulus of elasticity</b>	25-35 kN/mm <sup>2</sup>
<b>Density</b>	2,1 - 2,3 kg/dm <sup>3</sup>
<b>Water penetration depth</b>	0 mm
<b>Material structure</b>	capillary
<b>Channel body weight</b>	up to 75% less than normal concrete channels
<b>Acid resistance</b>	very resistant to chemical liquids (pH range 3-9)
<b>Machining</b>	problem free with abrasive cutting wheel, stone drill or chisel
<b>Environmental-friendliness</b>	environmentally compatible construction material with mineral aggregates
<b>Resistance to ageing</b>	absolutely frost proof, abrasion proof and maintenance free

**MEA**

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**MEA Polymer Beton B.V.**  
Ambachtsweg 18  
7021 BT Zelhem

P.O. Box 90  
7020 AB Zelhem  
The Netherlands

tel: (+31) 314 62 77 62  
fax: (+31) 314 62 77 77  
sales.info@nl.mea.de  
www.mea-group.com

## MEAGARD II Drainage for gardens and landscaping projects

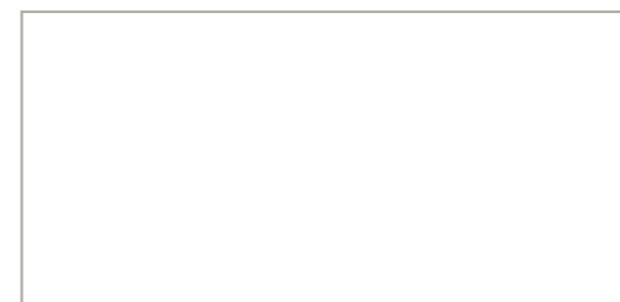


MEAGARD II S

MEAGARD II G

MEAGARD II M

For sound advice, contact:



PP-G 03 MEAGARD II EX/07/06

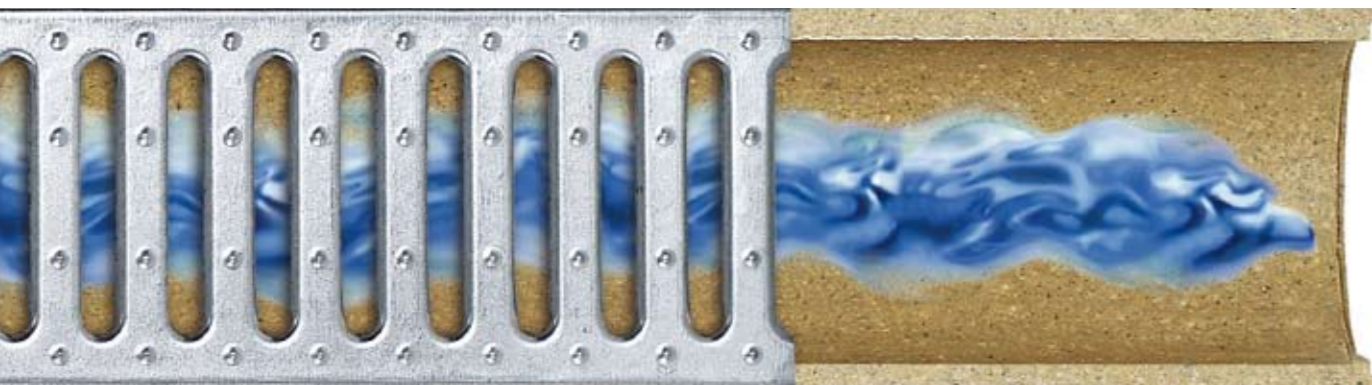
## MEAGARD II Perfect function, simple installation

When it comes to house construction, gardens and landscaping projects, the requirements that a drainage system needs to fulfil are particularly exacting: on the one hand the system needs to be simple and quick to install by both the home handyman and tradesman, on the other hand it needs to have enduring visual appeal and be able to blend harmoniously into its overall setting.

However, a long service life, the ability to withstand loads and naturally, affordability are further essential characteristics.

Based on our long-standing experience with the material polymer concrete, we have developed the **MEAGARD II** system with which you can easily satisfy all the essential criteria for a drainage system.

In addition to the advantages of the material polymer concrete, from which the channel bodies are made, you'll also benefit from an improved channel cross section for higher discharge rates. The snap-in gratings need no bolts for securement – leaving you unhindered with tools during cleaning.



Equipped with a tongue and groove system for fast, precise installation, **MEAGARD II** is available with a galvanised slotted grating, a ductile iron grating or a galvanised mesh grating. Able to bear the weight of a passenger car, the channels have an internal width of 100 mm, an overall height – depending on the selected grating type – of 115 mm, and only require minimal excavation work. An extensive range of accessories such as end caps, outlet connectors and silt boxes rounds off the product line.

**MEAGARD II:** the cost-effective solution that makes no sacrifices in functionality, safety or durability.

Available in the following options, depending on load-bearing or aesthetic requirements

- **MEAGARD II S with galvanized slotted grating**
- **MEAGARD II G with ductile iron grating**
- **MEAGARD II M with galvanized mesh grating**

## MEAGARD II: 1 System – 3 options

### MEAGARD II S

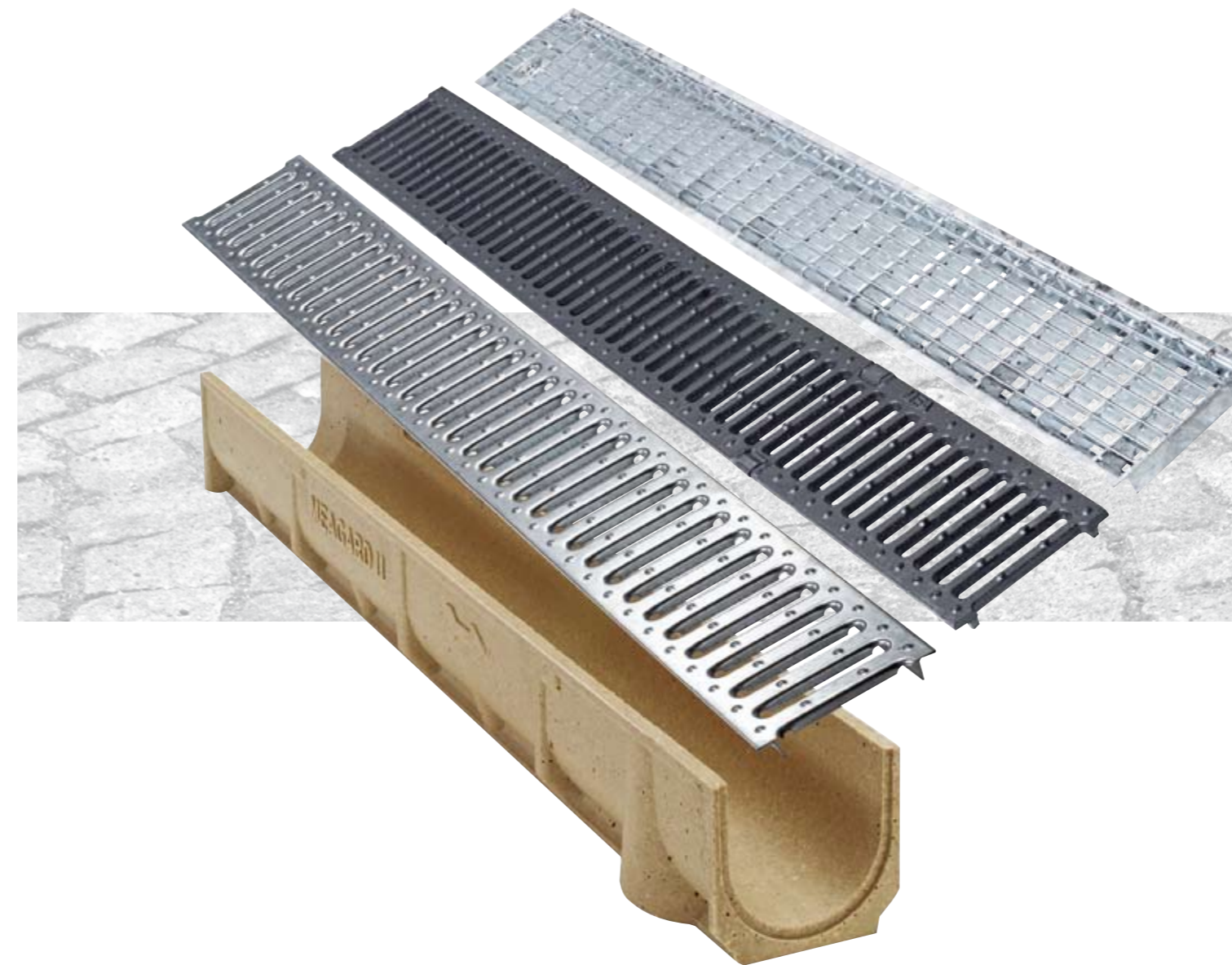
Able to sustain the weight of a passenger car, a complete channel made from polymer concrete, with no fall and supplied with a galvanised **snap-in slotted grating**

### MEAGARD II G

Able to sustain the weight of a passenger car, a complete channel made from polymer concrete, with no fall and supplied with a ductile iron **snap-in slotted grating**

### MEAGARD II M

Able to sustain the weight of a passenger car, a complete channel made from polymer concrete, with no fall and supplied with a galvanised 30/10 mesh grating



### Technical data S

<b>Total length*</b>	1000 mm
<b>Total width</b>	120 mm
<b>Total height**</b>	110 mm
<b>Weight</b>	8.2 kg
<b>Typ of fall</b>	No fall
<b>Loading class</b>	Suitable for cars

\* Also available in lengths of 500 mm  
\*\* Incl. grating

### Technical data G

<b>Total length*</b>	1000 mm
<b>Total width</b>	120 mm
<b>Total height**</b>	115 mm
<b>Weight</b>	13.6 kg
<b>Typ of fall</b>	No fall
<b>Loading class</b>	Suitable for cars

\* Also available in lengths of 500 mm  
\*\* Incl. grating

### Technical data M

<b>Total length*</b>	1000 mm
<b>Total width</b>	120 mm
<b>Total height**</b>	110 mm
<b>Weight</b>	11.5 kg
<b>Typ of fall</b>	No fall
<b>Loading class</b>	Suitable for cars

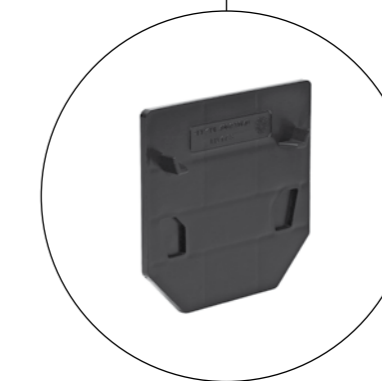
\* Also available in lengths of 500 mm  
\*\* Incl. grating

## MEAGARD II: Refined details

The advanced **tongue and groove system** prevents any displacement of channel elements during installation.

The perfected range of accessories also includes the silt box, which should be used wherever large amounts of leaves and dirt accumulate.

Three key benefits! The **MEAGARD II outlet connector** protects pipes against soiling, helps prevent unpleasant odours and facilitates the simple connection of channel lines to underground drains.



### For efficient discharge

End cap for channel start/end made from environmentally-friendly recyclable PP.  
Channel end with Ø 110 outlet connector for connection to underground drains.