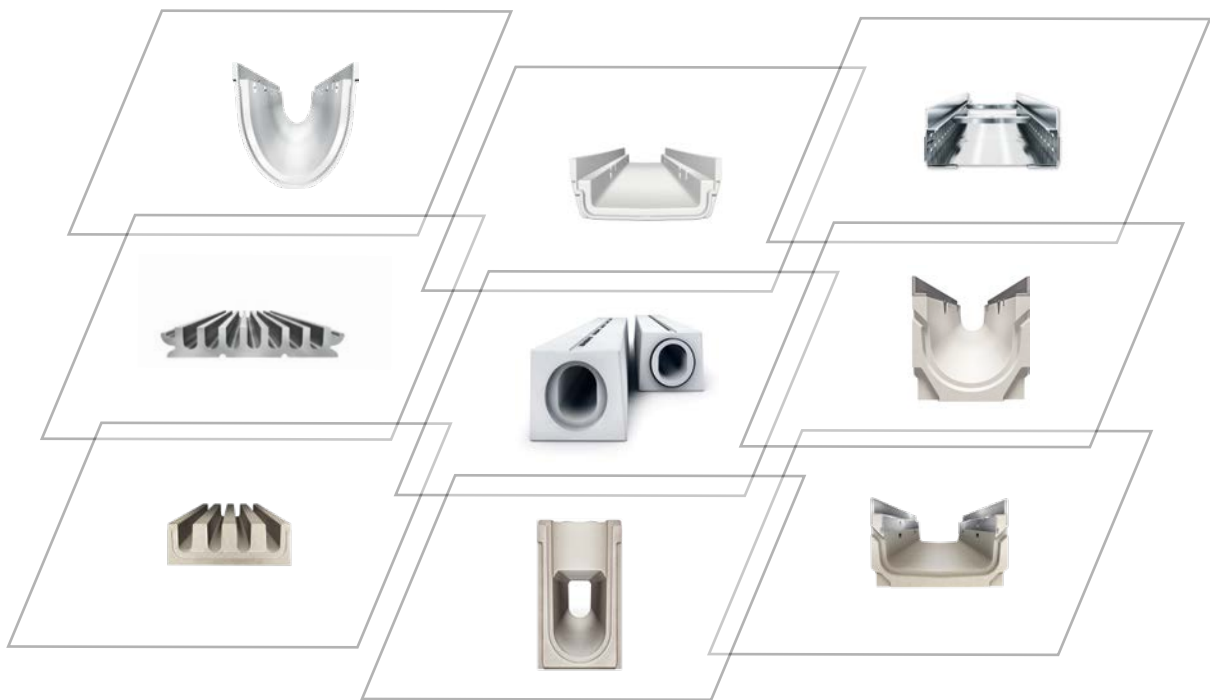


# ME A PROFESSIONAL DRAINAGE SOLUTIONS



## **OVERVIEW OF THE ME A DRAINAGE SYSTEMS**

LOADING CLASSES A 15 - F 900



## MEARIN PLUS/EXPERT UNIVERSAL DRAINAGE SYSTEM

**MEARIN PLUS/PLUS F LOADING CLASS UP TO D 400\*\***  
**MEARIN EXPERT V/E LOADING CLASS UP TO E 600\*\***

- > Drainage channel body with and without fall
- > MEARIN PLUS: With a 6 mm glass-fibre composite edge
- > MEARIN EXPERT V/E: With a firmly anchored 4 mm edge protection made of galvanised (V) and stainless steel (E)



Clear width: 100 mm  
 Total widths: 136/132 mm  
 Total height: 158 mm

MEARIN PLUS and EXPERT V/E 1000 without fall



Clear width: 100 mm  
 Total width: 136/132 mm  
 Total heights: from 158 up to 258 mm

MEARIN PLUS and EXPERT V/E 1000 with fall



Clear width: 150 mm  
 Total widths: 186/182 mm  
 Total height: 187 mm

MEARIN PLUS and EXPERT V/E 1500 without fall



Clear width: 200 mm  
 Total widths: 236/232 mm  
 Total height: 242 mm

MEARIN PLUS and EXPERT V/E 2000 without fall



Clear width: 300 mm  
 Total widths: 336/332 mm  
 Total height: 397 mm

MEARIN PLUS and EXPERT V/E 3000 without fall



Clear width: 100 mm  
 Total width: 137 mm  
 Total height: 55 mm

MEARIN PLUS F 1000



Clear width: 150 mm  
 Total width: 187 mm  
 Total height: 75 mm

MEARIN PLUS F 1500



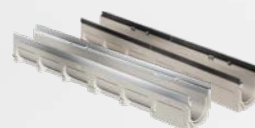
Clear width: 200 mm  
 Total width: 237 mm  
 Total height: 100 mm

MEARIN PLUS F 2000

## MEADRAIN S UNIVERSAL DRAINAGE SYSTEM

**MEADRAIN S  
LOADING CLASS UP TO E 600\*\***

- > Drainage channel body for linear fall (0.5%), stepped fall with transition piece and without fall
- > Also with integrated drain connection
- > Edge made of galvanised steel (SV), stainless steel (SE) and ductile iron (SG)



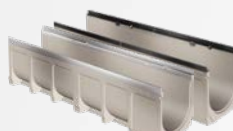
Clear width: 100 mm  
 Total width: 133 mm  
 Total heights: from 150 up to 305 mm

MEADRAIN SV/SE/SG 1000



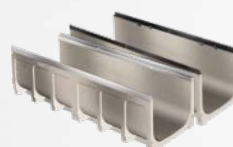
Clear width: 150 mm  
 Total width: 183 mm  
 Total heights: from 220 up to 320 mm

MEADRAIN SV/SE/SG 1500



Clear width: 200 mm  
 Total width: 233 mm  
 Total heights: from 280 up to 380 mm

MEADRAIN SV/SE/SG 2000 NA



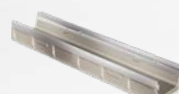
Clear width: 300 mm  
 Total width: 333 mm  
 Total height: 300 mm

MEADRAIN SV/SE/SG 3000



Clear width: 100 mm  
 Total width: 133 mm  
 Total height: 80 mm

MEADRAIN SVF/SEF 1000



Clear width: 150 mm  
 Total width: 183 mm  
 Total height: 120 mm

MEADRAIN SVF/SEF 1500

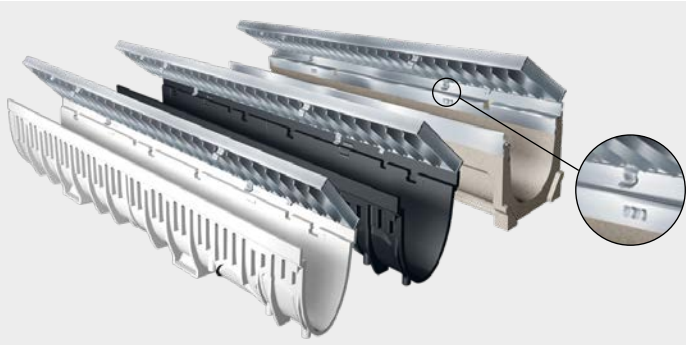


Clear width: 200 mm  
 Total width: 233 mm  
 Total height: 100 mm

MEADRAIN SVF/SEF 2000

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.



## CLIPFIX AND MEADRAIN PROFIX MEA UNIVERSAL GRATING FIXING MECHANISMS

### CHANNEL COVERS WITH UNIVERSAL CLIPFIX GRATING FIXING MECHANISM FOR MEARIN PLUS/EXPERT AND MEADRAIN S

- > Channel cover lengths: 500 and 1000 mm
- > Wide range of materials
- > Depending on the selected cover grating loading class up to E 600\*\*
- > For MEARIN PLUS/ EXPERT and MEADRAIN S drainage channels



Plastic longitudinal bar grating  
grey, heelguard



Plastic longitudinal bar grating  
black, heelguard



Slotted grating



Plastic slotted grating



Mesh grating 30/10



Ductile iron slotted grating



Mesh grating 20/30



Solid cover ductile iron



Longitudinal bar grating



Ductile iron grating WAVE



Perforated grating



MEA CLIPFIX Anti-theft protection  
for clear widths: 100, 150 and 200 mm

### CHANNEL COVERS WITH UNIVERSAL PROFIX GRATING FIXING MECHANISM FOR MEADRAIN EN AND ENS

- > Channel cover lengths: 500 mm
- > Depending the selected cover grating loading class up to F 900\*\*



Ductile iron slotted grating  
PROFIX and bolted locking available



Ductile iron grating WAVE



Ductile iron grating MOVE



Solid cover ductile iron  
PROFIX and bolted locking available



Ductile iron slotted grating

Selection of channel covers depending on clear widths.

## MEADRAIN EN

### HIGH PERFORMANCE DRAINAGE SYSTEM

#### MEADRAIN EN/ENS HIGH PERFORMANCE CHANNELS UP TO LOADING CLASS F 900\*\*

- > Drainage channel body for linear fall (0.5%), stepped fall with transition piece and without fall
- > Also with integrated drain connection
- > Edge made of ductile iron



MEADRAIN EN 1000

Clear width: 100 mm  
Total width: 140 mm  
Total heights: from 150 up to 305 mm



MEADRAIN EN 1500

Clear width: 150 mm  
Total width: 190 mm  
Total heights: from 220 up to 320 mm



MEADRAIN EN 2000

Clear width: 200 mm  
Total width: 240 mm  
Total heights: from 280 up to 380 mm



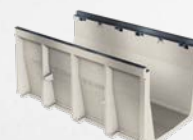
MEADRAIN ENS 3000

Clear width: 300 mm  
Total width: 394 mm  
Total height: 400 mm



MEADRAIN ENS 3070

Clear width: 300 mm  
Total width: 394 mm  
Total height: 760 mm



MEADRAIN ENS 4000

Clear width: 400 mm  
Total width: 494 mm  
Total height: 465 mm

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.





## MEACRET LINE 200

### ROBUST CONCRETE DRAINAGE SYSTEM

#### EXTREMELY RESISTANT, MEACRET LINE 200 FOR LOADING CLASS UP TO E 600 / F 900 ACCORDING TO EN 1433

- > Loading classes from A 15 up to F 900
- > Extremely robust: High-quality concrete C45/55
- > Variable: Also available as a curb channel with board heights from 70 up to 180 mm
- > With continuous or interrupted slot
- > With and without fall
- > Standard lengths: 1 m, 2 m, 3 m, 4 m.  
Special lengths on request!



Clear width: 200 mm  
Total width: 450 mm  
Total height: 500 mm

MEACRET LINE 200 CS  
drainage channel



Clear width: 200 mm  
Total width: 450 mm  
Total height: 500 mm

MEACRET LINE 200 IS  
drainage channel



Clear width: 200 mm  
Total width: 450 mm  
Total heights: from 500 up to 680 mm

MEACRET LINE 200 kerb

## MEADRAIN DM AND MEAKERB

### DRAINAGE SOLUTION FOR ROAD AND MOTORWAYS

#### MEADRAIN DM FOR ROAD AND MOTORWAY DRAINAGE SOLUTIONS UP TO LOADING CLASS F 900

- > Channel section without fall
- > Loading class A 15 to F 900 for standard variant
- > Loading class A 15 to D 400 with side inlets for use in open porous asphalt



Clear widths:	100	150	200 mm
Total widths:	154	204	254 mm
Total heights:	265	280	320/420 mm

MEADRAIN DM 1010  
MEADRAIN DM 1500  
MEADRAIN DM 2000/2020/2040

#### MEADRAIN DM CITY FOR INNER-CITY AREAS LOADING CLASS UP TO D 400\*\*

- > Channel body without fall
- > Monolithic construction
- > Loading class from A 15 up to D 400\*\*



Clear widths:	100	150	200 mm
Total widths:	133	183	270 mm
Total heights:	225	233	330 mm
Loading class up to D 400**			

MEADRAIN DM CITY 1000,  
1500 and 2000

#### KERBSTONE DRAINAGE CHANNEL MEAKERB LOADING CLASS UP TO D 400\*\*

- > Channel-kerbstone combination, without fall
- > Loading class from A 15 up to D 400\*\*



Clear width: 100 mm  
Total width: 154 mm  
Total heights: from 195 up to 375 mm

MEAKERB 320



Clear width: 100 mm  
Total width: 154 mm  
Total heights: from 375 up to 555 mm

MEAKERB 500

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.

\*\*From loading class D 400 not suitable for cross drainage of high speed roads and motorways.



## MEARIN PG EVO AND MEADRAIN PG DRAINAGE SOLUTIONS FOR MULTI-STOREY CAR PARKS

### DRAINAGE SYSTEMS FOR MULTI-STOREY CAR PARKS AND UNDERGROUND CAR PARKS, MEARIN PG EVO (C 250)

- > Channel body made of GRP
- > MEARIN PG EVO-OS drainage solution for multi-storey car parks for floors with OS-coating
- > MEARIN PG EVO-AS drainage solution for multi-storey car parks for floors made of asphalt



MEARIN PG EVO-OS

Clear widths: 180/153 mm  
Total width: 30 mm  
Length: 3 m



MEARIN PG EVO-AS

Clear width: 170/153 mm  
Total width: 30 mm  
Length: 3 m



MEARIN PG EVO  
Pump sump

Clear width: 400 mm  
Lengths: from 540 up to 750 mm



MEA parking deck  
drain-OS/AS

Width: 260/200 mm  
Height: 32 mm  
Length: 260/200 mm

Additional accessories available

### DRAINAGE SYSTEMS FOR MULTI-STOREY CAR PARK AND UNDERGROUND CAR PARK, MEADRAIN PG (C 250)

- > Shallow channel made of polymer concrete
- > No gratings or any other metal elements
- > Sealable joints according to EN 1433



MEADRAIN PG 1000

Clear width: 100 mm  
Total width: 50 mm



MEADRAIN PG 1500

Clear width: 150 mm  
Total width: 50 mm



MEADRAIN PG 3000

Clear width: 300 mm  
Total width: 50 mm

Additional accessories available

## MEATEC

### DRAINAGE SOLUTION FOR FACADES

#### DRAINAGE SYSTEM FOR TERRACES, ROOF GARDENS, BALCONIES AND FACADES

- > Complete drainage system in galvanised or stainless steel
- > Barrier-free installation, eco-friendly and durable
- > Perfect installation with MEATEC "insert and connect" system



MEATEC with variable height

Widths: 100/130/160/200/250 mm  
Lengths: 500/1000/2000 mm  
Heights: from 55 up to 150 mm

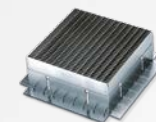


MEATEC with fixed height

Widths: 100/130/160/200/250 mm  
Lengths: 500/1000/2000 mm  
Heights: 55/70/90 mm



MEATEC relief channel

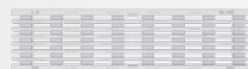


MEATEC top section



MEATEC end cap

### MEATEC CHANNEL COVERS IN GALVANISED OR STAINLESS STEEL



Plastic longitudinal bar grating  
grey, heelguard\*



Perforated grating\*



Mesh grating 30/10



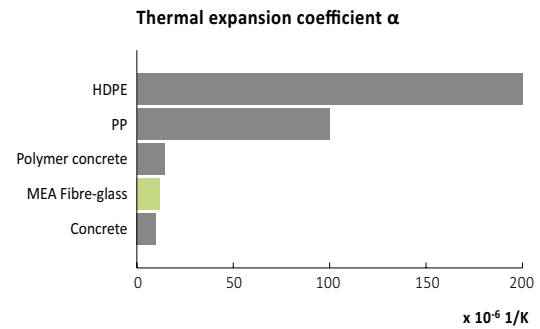
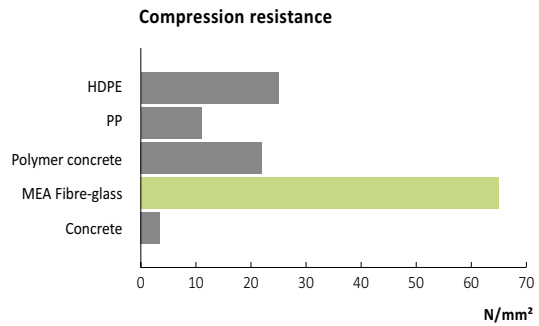
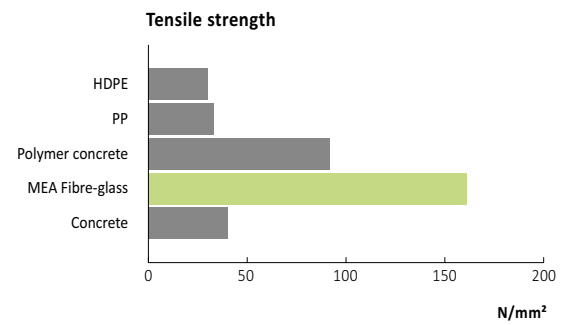
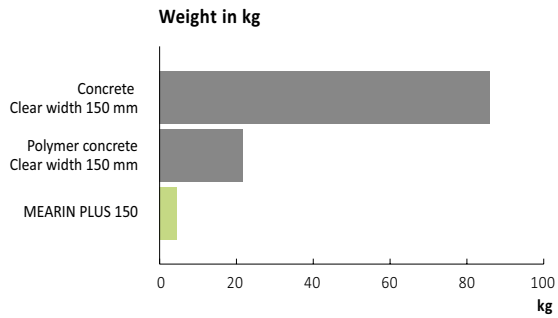
Longitudinal bar grating

\*MEATEC channel covers only available for width 130 mm

# IMEA GRP PREMIUM MATERIAL

The MEARIN system enables the installation of drainage channels without any mechanical support, and with significantly fewer personnel. Perfect anchoring of the system in the concrete casing guarantees a quick and easy installation, and a highly stable construction of the drainage line.

Thanks to the highly stable GRP material, the MEARIN system is extremely break and abrasion resistant. The long-term resistant and highly smooth inner surface of the drainage channel body, will continuously provide the best possible drainage values.







# IMEA POLYMER CONCRETE

## THE QUALITY MATERIAL

### MEA POLYMER CONCRETE

The special polymer concrete from MEA is remarkable for its outstanding physical and chemical properties. This material is extremely sturdy, reliable and versatile, making it the material of choice for drainage channels.

MEA polymer concrete channels are particularly eco-friendly. Mostly made out of minerals, polymer concrete channels are easy to recycle. The quality of material ensures that the channels have a particularly long service life, saving future investments and unnecessary new building sites. Polymer concrete channels are extremely resistant to liquid chemicals and acids, making them the perfect protection for the environment and ground waters.

Last but not least, polymer concrete channels are significantly lighter than comparable concrete channels, making them considerably easier to install.

### MATERIAL CHARACTERISTICS

Compressive strength	> 90 N/mm <sup>2</sup>
Flexural tensile strength	> 22 N/mm <sup>2</sup>
Water adsorption	Below 0.05%
Modulus of elasticity	25-35 kN/mm <sup>2</sup>
Density	2.1 - 2.3 kg/dm <sup>3</sup>
Water ingress depth	0 mm
Material structure	Capillary-free – ideal for the rapid discharge of water and dirt particles
Channel body weight	Significantly lighter than conventional concrete channels
Workability	Suitable for grinding disks, rock drills and chisels
Environmental compatibility	Eco-friendly building material with mineral admixtures
Ageing resistance	Entirely frost proof, wear-resistant, and maintenance-free. Highly resistant to liquid chemicals (pH range 3 to 9)



**BUILDING SUCCESS**

MEA Bautechnik GmbH ■ Sudetenstraße 1 ■ D-86551 Aichach ■ [www.mea-group.com](http://www.mea-group.com)  
Business unit MEA Water Management