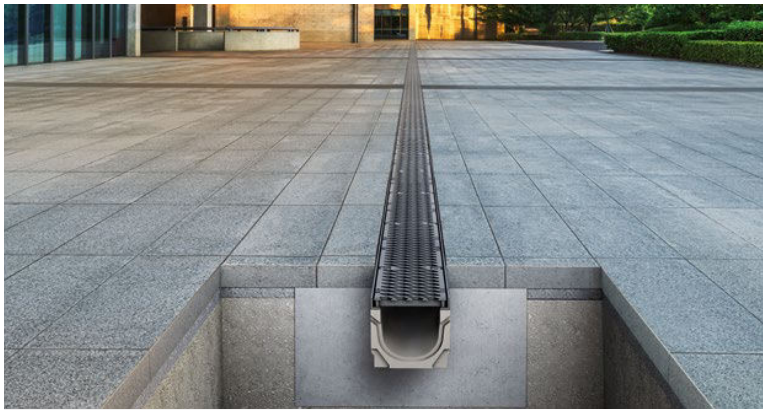


MEA PROFESSIONAL DRAINAGE SOLUTIONS



OVERVIEW OF THE MEA DRAINAGE SYSTEMS
LOADING CLASSES A 15 - F 900



MEARIN PLUS/EXPERT V/E

UNIVERSAL GRP DRAINAGE SYSTEM

MEARIN PLUS (D 400**) MEARIN EXPERT V/E (E 600**)

- > Drainage channel body without/with slope (0.5 %), lengths 500/1000 mm
- > 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 steel (V) and stainless steel (E)



MEARIN PLUS/EXPERT 1000

Clear width: 100 mm
Total widths: 136/132 mm
Total heights with slope: from 158 up to 258 mm
Total heights without slope: 158/208/258 mm
also as shallow channel MEARIN PLUS F
(total height: 55 mm)



MEARIN PLUS II/EXPERT II 1500

Clear width: 150 mm
Total widths: 186/182 mm
Total height without slope: 187 mm
also as shallow channel MEARIN PLUS F
(total height: 75 mm)



MEARIN PLUS/EXPERT 2000

Clear width: 200 mm
Total widths: 236/232 mm
Total heights with slope: from 242 up to 342 mm
Total heights without slope: 242/292/342 mm
also as shallow channel MEARIN PLUS F
(total height: 100 mm)



MEARIN PLUS/EXPERT 3000

Clear width: 300 mm
Total widths: 336/332 mm
Total height without slope: 397 mm
also as shallow channel MEARIN PLUS F
(total height: 110 mm)

MEADRAIN S

UNIVERSAL POLYMER CONCRETE DRAINAGE SYSTEM

MEADRAIN S (E 600**)

- > Drainage channel body without/with slope (0.5 %), lengths 500/1000 mm
- > MEADRAIN SV/SVF: Edge made of galvanised steel
- > MEADRAIN SE/SEF: Edge made of stainless steel
- > MEADRAIN SG/SGF: Edge made of ductile iron



MEADRAIN SV/SE/SG 1000

Clear width: 100 mm
Total width: 133 mm
Total heights with slope: from 150 up to 305 mm
Total heights without slope:
150/175/200/225/250/305 mm
also as shallow channel MEADRAIN SVF/SEF
(total height: 80 mm)



MEADRAIN SV/SE/SG 1500

Clear width: 150 mm
Total width: 183 mm
Total heights with slope: from 220 up to 270 mm
Total heights without slope: 220/270/320 mm
also as shallow channel MEADRAIN SVF/SEF/SGF
(total height: 125 mm)



MEADRAIN SV/SE/SG 2000

Clear width: 200 mm
Total width: 233 mm
Total heights with slope: from 230 up to 330 mm
Total heights without slope: 230/280/330/380 mm
also as shallow channel MEADRAIN SVF/SEF
(total height: 100 mm)



MEADRAIN SV/SE/SG 3000

Clear width: 300 mm
Total width: 333 mm
Total heights with slope: from 305 up to 400 mm
Total heights without slope: 300/400 mm

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



IMEA GRATING FIXING MECHANISMS

UNIVERSAL CLIPFIX GRATING FIXING MECHANISM

CHANNEL COVERS FOR MEARIN PLUS/EXPERT AND MEADRAIN S

- > Channel cover lengths 500/1000 mm
- > Depending on the selected cover grating loading class up to E 600**



Plastic long. bar grating, heelguard



Mesh grating 30/10 galvanised steel



Mesh grating 20/30 galvanised steel



PRIME grating stainless steel



Ductile iron grating WAVE



Ductile iron slotted grating



Ductile iron grating BAVARIA



Ductile iron grating CATHEDRAL



Ductile iron slotted grating, ADA



Plastic long. bar grating, heelguard



Plastic slotted grating, heelguard



Perf. grating stainl. steel, heelguard



Long. bar grating stainless steel



Slotted grating galvanised steel



Ductile iron slotted grating, heelguard



Ductile iron grating HONEYCOMB



Solid cover ductile iron

GRATING FIXING MECHANISM PROFIX/ 4-FOLD BOLTED

CHANNEL COVERS FOR MEADRAIN EN/ENS

- > Channel cover length 500 mm
- > Depending on the selected cover grating loading class up to F 900**



Ductile iron grating WAVE



Ductile iron slotted grating, heelguard



Solid cover ductile iron



Ductile iron grating MOVE



Ductile iron slotted grating



Ductile iron slotted grating, 4-fold bolted

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

IMEA TOPSLOTS

ELEGANT LINES, HIGH FUNCTIONALITY

FOR GRP CHANNELS AND DRAINAGE SYSTEMS MADE OF POLYMER CONCRETE

- > Lengths 500/1000 mm
- > Available in clear widths 100, 150 and 200 mm, as well on request 300 mm



TOPSLOT TS-C

Neck height: 60 mm, loading class A 15

Variant: MEA TS-C 100

Inlet $\emptyset$ cm²/m: 90

Material: Plastic



TOPSLOT TS-L

Neck height: 110 mm, loading class B 125

Variant: MEA TS-L 100

Inlet $\emptyset$ cm²/m: 150

Material: galvanised steel and stainless steel V2A/V4A



TOPSLOT TS-P

Neck height: 150 mm, loading class D 400**

Neck height: 110 mm, loading class C 250

Variants: MEA TS-P 100/150/200

Inlet $\emptyset$ cm²/m: 100

Material: galvanised steel and stainless steel V2A



TOPSLOT TS-H

Neck height: 160 mm, loading class E 600**

Variants: MEA TS-H 100/150/200

Inlet $\emptyset$ cm²/m: 96

Material: galvanised steel and stainless steel V2A channel cover(s) incl.



MEADRAIN EN/ENS

HIGH PERFORMANCE DRAINAGE SYSTEM

MEADRAIN EN/ENS (F 900**)

- > Drainage channels without/with slope (0.5%)
- > Lengths 500/1000 mm
- > Stepped slope (5.0 %) with transition piece
- > With an integrated edge made of ductile iron (EN-GJS)



MEADRAIN EN 1000

Clear width: 100 mm
Total width: 140 mm
Total heights without slope:
from 150 up to 305 mm
Total heights with slope: from 150 up to 250 mm



MEADRAIN EN 1500/ENF 1500

Clear width: 150 mm
Total width: 190 mm
Total heights without/with slope:
from 220 up to 320 mm
also as shallow channel ENF (total height: 180 mm)



MEADRAIN EN 2000/ENF 2000

Clear width: 200 mm
Total width: 240 mm
Total heights without/with slope:
from 280 up to 380 mm
also as shallow channel ENF (total heights: 100/220 mm)



MEADRAIN ENS 3000

Clear width: 300 mm
Total width: 394 mm
Total height without slope: 400 mm



MEADRAIN ENS 3070

Clear width: 300 mm
Total width: 394 mm
Total height without slope: 760 mm



MEADRAIN ENS 4000

Clear width: 400 mm
Total width: 494 mm
Total height without slope: 465 mm



MEADRAIN ENS 5000 complete channel

(incl. 4-fold bolted ductile iron slotted grating)
Clear width: 500 mm
Total width: 594 mm
Total height without slope: 630 mm

MEA COURTYARD GULLIES/POINT DRAINAGE

PRECISE DRAINAGE

MEAPARK COURTYARD GULLY

- > Yard gully made of high quality recycled plastic
- > Incl. sediment bucket and vertical drain connection
- > Up to loading class B 125



MEAPARK Courtyard gully

Length: 292 mm
Width: 292 mm
Height: 302 mm
① with bolted ductile iron grating
② with bolted mesh grating 20/30

MEAGARD COURTYARD GULLY

- > Yard gully made of polymer concrete
- > Depending on the version up to loading class D 400
- > Incl. sediment bucket and connection Ø 110 mm
- > Elements for height adjustment available



MEAGARD Courtyard gully

Lengths: 282/300 mm
Widths: 282/300 mm
Heights: 427/452 mm
① incl. mesh grating covering 30/20, A 15
② incl. mesh grating 20/30 B 125
③ incl. ductile iron grating B 125
④ incl. ductile iron grating D 400

MEADRAIN EN POINT DRAINAGE

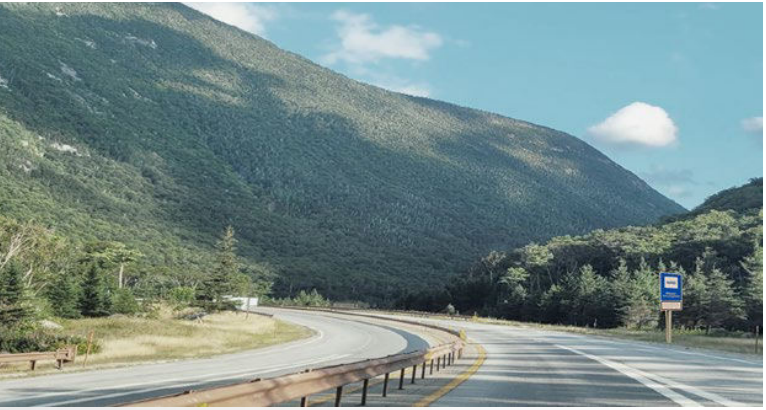
- > Point drainage made of high quality polymer concrete with 4 sided ductile iron frame
- > With ductile iron grating up to loading class F 900
- > Consisting of upper-/intermediate- and lower part
- > Matching to MEA EN 300 gratings with PROFIX



MEADRAIN EN point drainage

(Upper part with ductile iron grating)
Lengths: 520/524 mm
Heights: from 335 up to 390 mm

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



MEADRAIN DM CITY

FOR INNER CITY AREAS

MEADRAIN DM CITY (D 400)

- > Channel section without slope
- > Length 1000 mm
- > Monolithic construction



MEADRAIN DM CITY 1000

Clear width: 100 mm
Total width: 133 mm
Total height: 225 mm



MEADRAIN DM CITY 1500

Clear width: 150 mm
Total width: 183 mm
Total height: 270 mm



MEADRAIN DM CITY 2000

Clear width: 200 mm
Total width: 233 mm
Total height: 330 mm

MEADRAIN DM

DRAINAGE SOLUTION FOR ROADS AND MOTORWAYS

MEADRAIN DM (F 900)

- > Channel section without slope
- > Lengths 500/1000 mm
- > Monolithic construction



MEADRAIN DM 1010

Clear width: 100 mm
Total width: 154 mm
Total height: 265 mm



MEADRAIN DM 1500/1540

Clear width: 150 mm
Total width: 204 mm
Total heights: 280/480 mm



MEADRAIN DM 2000/2020/2040

Clear width: 200 mm
Total width: 254 mm
Total heights: 320/420/520 mm

MEADRAIN DMD 2000 (F 900)

- > Drainage channel without slope with moulded EPDM-sealing rubber
- > Lengths 500/1000 mm
- > Waterproof drainage system for use in water protection areas



MEADRAIN DMD 2000

Clear width: 200 mm
Total width: 254 mm
Total height: 320 mm



MEADRAIN DMD 2000 DAL II/DAR II

Drainage of porous asphalt
Clear width: 200 mm
Total width: 254 mm
Total height: 320 mm
Up to loading class D 400

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



MEAKERB

KERBSTONE CHANNEL FOR ROAD DRAINAGE

MEAKERB 320/500 (D 400)

- > One-piece kerb-channel combination, with the upper section serving as a kerb edge with side inlet openings
- > Length 500 mm
- > Single components in different heights (standard-/lower-/middlebord, lowering-/ramp elements and bus-stops)



MEAKERB 320

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



MEAKERB 500

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

MEAKERB SPLAY 320/500 (D 400)

- > One-piece kerb-channel combination, with the upper section serving as a kerb edge with side inlet openings
- > Length 500 mm
- > 45° bevel
- > Connection option for rear horizontal drainage



MEAKERB SPLAY 320

Clear width: 100 mm
Total width: 154 mm
Total height: 315 mm



MEAKERB SPLAY 500

Clear width: 100 mm
Total width: 154 mm
Total height: 495 mm

MEAKERB BRIDGE

FOR BRIDGE CONSTRUCTION AND RENOVATION

MEAKERB BRIDGE 160/200 (D 400)

- > Kerb with integrated drainage solution and continuous MEA sealing lip
- > Length 500 mm
- > Hollow kerb channels for linear bridge drainage in accordance with the BAST and ZTV-ING guidelines
- > With rear reinforcement preforming

MEAKERB BRIDGE 160

- > Clear width: 160 mm, total width: 220 mm, total height: 200 mm



MEAKERB BRIDGE 160-125 Kerb channel

Curb height: 125 mm
Flow cross-section to upper edge of roadway:
76 cm²
Total flow cross-section inside: 185 cm²



MEAKERB BRIDGE 160-150 Kerb channel

Curb height: 150 mm
Flow cross-section to upper edge of roadway:
38 cm²
Total flow cross-section inside: 185 cm²

MEAKERB BRIDGE 200

- > Clear width: 200 mm, total width: 280 mm



MEAKERB BRIDGE 200-75 Kerb channel

Clear width: 155 mm
Curb height: 75 mm
Flow cross-section to upper edge of roadway:
109 cm²
Total flow cross-section inside: 143 cm²



MEAKERB BRIDGE 200-75 Kerb channel OPA

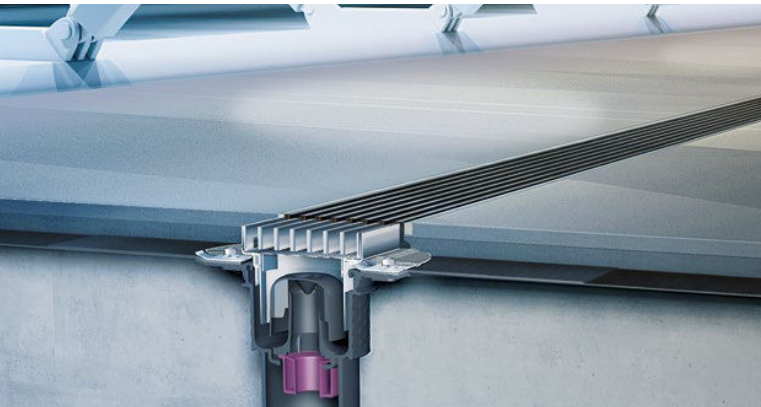
Drainage of porous asphalt
Total height: 175 mm
Curb height: 75 mm
Flow cross-section to upper edge of roadway:
148 cm²
Total flow cross-section inside: 182 cm²



MEAKERB BRIDGE SAFETY LIGHT 200

Additional lighting points along the roadway

Integrated 360° tempered glass reflector
No wiring, no power required



MEARIN II/MEAGARD DOORMAT TRAYS FOR A CLEAN ENTRANCE AREA

MEARIN II DOORMAT TRAY MADE OF GRP

- > Available in three different dimensions
- > Four connection options on the bottom of the tray for vertical drainage Ø 110 mm



MEARIN II doormat tray

Lengths: 600/750/1000 mm
Widths: 400/500 mm
Height: 80 mm
Covers (top down):
Light grey coarse rep strip
Black rubber rep strip
Expanded metal cover made of galvanised steel
Mesh grating 30/10

MEAGARD TRAY MADE OF POLYMER CONCRETE

- > With integrated galvanised steel frame
- > Available in three different sizes with integrated center supports for the covers
- > Connection options at the bottom of the tray for vertical outlets Ø 110 mm



MEAGARD Doormat tray

Lengths: 600/750/1000 mm
Widths: 400/500 mm
Height: 20 mm
Covers (top down):
Light grey coarse rep strip
Black rubber rep strip
Expanded metal cover made of galvanised steel
Mesh grating 30/10

MEARIN PG EVO

FOR UNDERGROUND GARAGES AND MULTI-STOREY CAR PARKS

MEARIN PG EVO (C 250)

- > Monolithic channel body made of GRP, length 3000 mm
- > MEARIN PG EVO-OS 1500: drainage system for floors covered with resin
- > MEARIN PG EVO-AS 1500: drainage system for floors covered with asphalt



MEARIN PG EVO-OS 1500

Constructive width: 180 mm
Constructive height: 30 mm



MEARIN PG EVO-AS 1500

Constructive width: 170 mm
Constructive height: 30 mm



MEARIN PG EVO Pump sump

Height: 400 mm
Lengths: from 540 up to 750 mm
Various designs for each installation situation available



MEA parking deck drain OS/AS

Widths: 260/200 mm
Height: 32 mm
Lengths: 260/200 mm

MEADRAIN PG

FOR UNDERGROUND GARAGES AND MULTI-STOREY CAR PARKS

MEADRAIN PG 1000/1500/3000 (C 250)

- > Monolithic shallow channel made of polymer concrete with comb profile
- > Length 1000 mm
- > With integrated sealing joint



MEADRAIN PG 1000

Width: 100 mm
Height: 50 mm



MEADRAIN PG 1500

Width: 150 mm
Height: 50 mm



MEADRAIN PG 3000

Width: 300 mm
Height: 50 mm



MEACRET SLOTTED DRAINAGE CHANNEL

FOR ROADS AND MOTORWAYS

MEACRET LINE 200 (F 900)

- > Drainage channel with continuous or interrupted slot
- > Lengths 1000/2000/3000/4000 mm (intermediate lengths on request)
- > Interior heights: from 200 up to 300 mm
- > Extremely robust: High-quality concrete C45/55
- > Without/with internal slope (0.5 %)
- > Slot width: 30 mm
- > Simplified installation (Type I) according to EN 1433



MEACRET LINE CS channel

Internal width: 200 mm
Width: 450 mm
Height: 500 mm



MEACRET LINE IS channel

Internal width: 200 mm
Width: 450 mm
Height: 500 mm



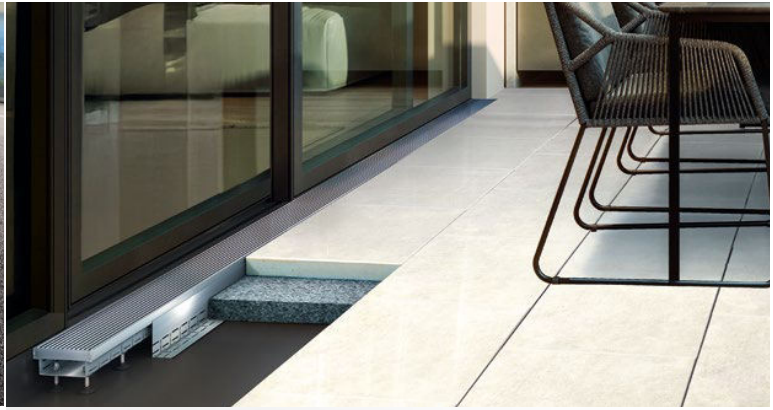
MEACRET LINE 200 Kerb

Internal width: 200 mm
Width: 450 mm
Heights: from 570 up to 680 mm
Board heights: from 70 up to 180 mm



MEACRET LINE 200 Lowering element

Internal width: 200 mm
Width: 450 mm
Heights: from 500 up to 680 mm



MEATEC II

FACADE AND TERRACE DRAINAGE

MEATEC II (WALKABLE AND WHEELCHAIR-ACCESSIBLE)

- > Drainage solution made of galvanised steel (V) or stainless steel (E)
- > Lengths 1000/2000 mm
- > Can be shortened to the required length with no loss of functionality
- > Easy to install thanks to the MEATEC 'insert and connect' system
- > Barrier-free installation according to DIN 18040 (part 1 and 2)
- > Installation in accordance with flat roof regulation and DIN 18531



MEATEC II

Widths: 100/130/160/200/250 mm
Heights: 50/70/90 mm

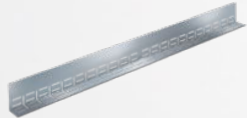


MEATEC II with elevation

Installation with elevation to realize individual heights and installation methods
Height 50 mm: Heights from 94 up to 112 mm
Height 70 mm: Heights from 94 up to 132 mm
Height 90 mm: Heights from 111 up to 152 mm

MEATEC II

ACCESSORIES FOR ALL WIDTHS



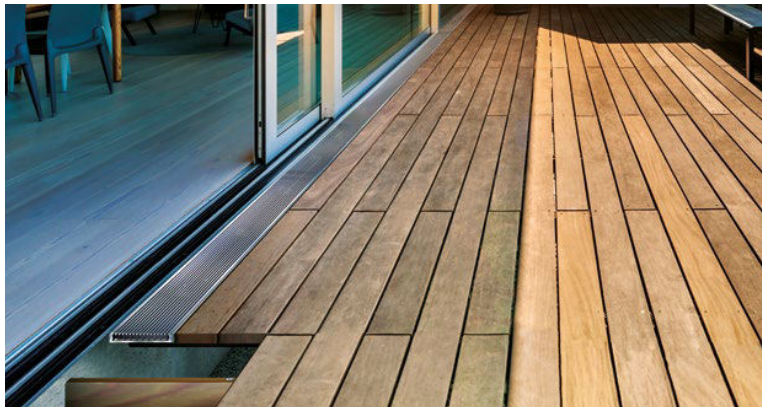
MEATEC II gravel border



MEATEC II relief channel



MEATEC II top element



MEATEC-WT

DRAINAGE SYSTEM FOR WOODEN TERRACES

MEATEC-WT (WALKABLE AND WHEELCHAIR-ACCESSIBLE)

- > Drainage solution made of galvanised steel (V) or stainless steel (E)
- > Lengths 1000/2000 mm
- > For direct mounting on a substructure
- > Low installation height, therefore perfectly combinable with a terrace covering made of WPC or real wood.
- > Enables barrier-free construction methods according to DIN 18040 (part 1 and 2)
- > Installation in accordance with flat roof guidelines and DIN 18531



MEATEC-WT 160

Width: 160 mm
Height: 21 mm



MEATEC-WT 250

Width: 250 mm
Height: 21 mm

CHANNEL COVERS for MEATEC II / MEATEC-WT / MEATEC-RV:

- > Lengths 500/1000 mm
- > Grating fixing bolt optionally available

For all channel widths:



Mesh grating 30/10

galvanised steel/stainless steel

For channel width 130 mm:



Longitudinal bar grating, plastic

heelguard, grey or black



Perforated grating

galvanised steel/stainless steel

For channel widths 130/160 mm:



MEA PRIME grating

brushed stainless steel

MEATEC-RV

VENTILATION / INSPECTION ELEMENT

MEATEC-RV (WALKABLE AND WHEELCHAIR-ACCESSIBLE)

- > Drainage solution made of galvanised steel (V) or stainless steel (E)
- > Length 1000 mm
- > Ensures optimal door connection
- > Side slots serve as an integrated gravel strip
- > Openings on the facade side support the structural protection of the wood
- > Meets the requirements of DIN 68800-2



MEATEC-RV 130

Width: 130 mm
Heights: 150/200 mm



MEATEC-RV 160

Width: 160 mm
Heights: 150/200/300 mm



MEATEC-RV 200

Width: 200 mm
Heights: 150/200/300 mm



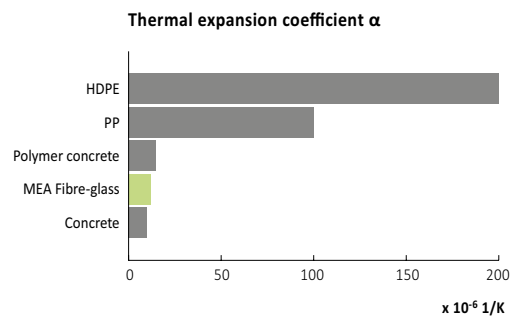
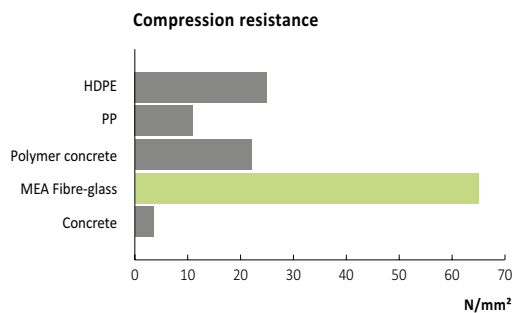
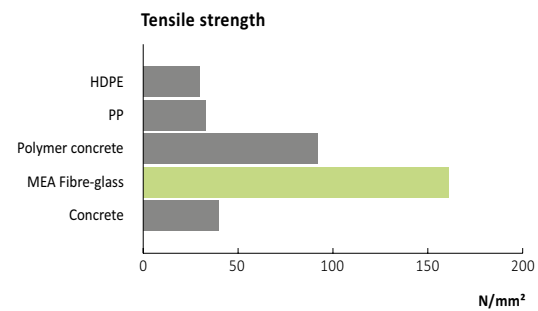
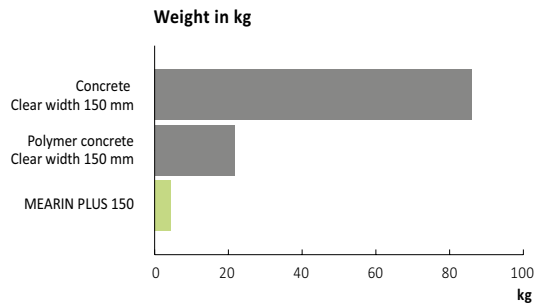
MEATEC-RV 250

Width: 250 mm
Heights: 200/300 mm

MEARIN 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 ²
Flexural tensile strength	> 22 N/mm ²
Water adsorption	Below 0.05%
Modulus of elasticity	25-35 kN/mm ²
Density	2.1 - 2.3 kg/dm ³
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-resilient, and maintenance-free. Highly resistant to liquid chemicals (pH range 3 to 9)



BUILDING SUCCESS

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