

I MEADRAIN DM CITY

MONOLITHIC, VANDALISM-
PROOF AND STURDY



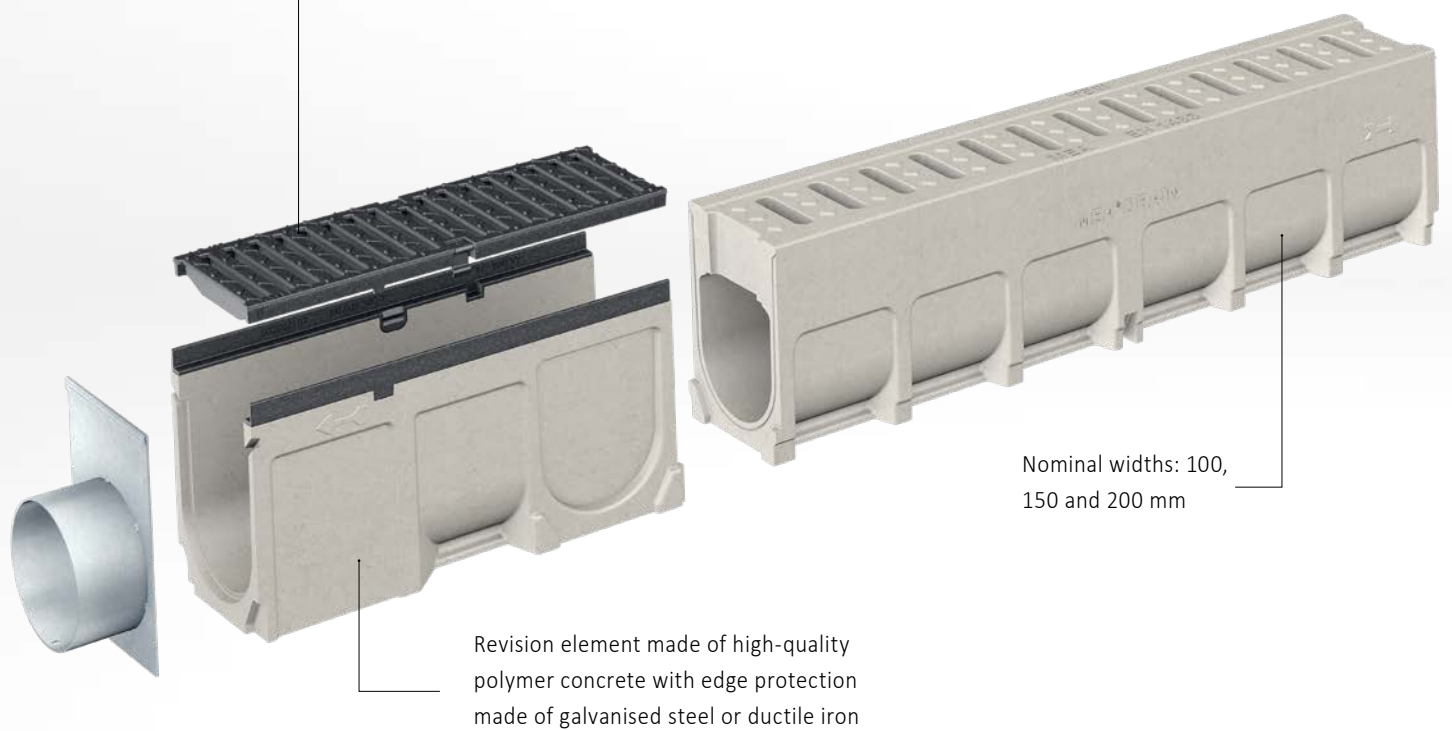
THE PERFECT DRAINAGE SOLUTION FOR INNER-CITY AREAS

MADE FROM HIGH-QUALITY POLYMER CONCRETE

COMPLETE SYSTEM

WITH PERFECTLY MATCHING COMPONENTS

The universal CLIPFIX grating locking mechanism speeds up installation and maintenance. This saves time and money. Simple handling, secure hold, durable and resilient.



Nominal widths: 100,
150 and 200 mm

Revision element made of high-quality
polymer concrete with edge protection
made of galvanised steel or ductile iron

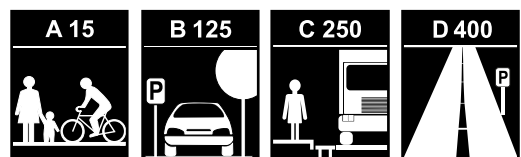
MEADRAIN DM CITY

- > Compliant with EN 1433 and CE
- Barrier free (wheelchair compatible)
- > For urban areas, loading class D 400
- > Fulfills the highest safety standards
- > Attractive price-performance ratio



Monolithic design made of high quality polymer concrete for maximal durability

Silt box made of high-quality polymer concrete with edge protection made of galvanised steel or ductile iron





MEADRAIN DM CITY

SYSTEM OVERVIEW



MEADRAIN DM 1000 CITY

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



MEADRAIN DM 1500 CITY

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



MEADRAIN DM 2000 CITY

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

- > Drainage channel body without slope
- > Monolithic construction
- > Loading classes from A 15 up to D 400

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MEADRAIN DM CITY

MONOLITHIC HIGH-END DRAINAGE SYSTEM

MEA offers you pioneering solutions for the reliable and cost-effective rain water drainage of all the world's roads. Our innovative product range made of polymer concrete is perfectly designed to respond to all installation areas and specific performances in terms of drainage.

No matter which channel system you use for the task in hand, MEADRAIN drainage solutions deliver decades of MEA expertise in professional surface drainage. As an alternative, to our heavy duty MEADRAIN DM channels, our MEADRAIN DM CITY has been designed as a light version for urban areas for loading classes up to D 400.

MEADRAIN DM CITY

- > Drainage channel made of polymer concrete
- > Available in clear widths: 100, 150 and 200 mm
- > Extremely durable and sturdy thanks to its monolithic design (no moving parts)
- > Lighter in weight than comparable concrete channels
- > Low maintenance
- > Loading class up to D 400
- > Barrier-Free





MEADRAIN DM CITY

PREDESTINED FOR INNER-CITY AREAS

MEADRAIN DM CITY VARIANT AT A GLANCE

MEADRAIN DM CITY drainage channels are monolithic channels of the latest generation that meet all requirements for inner-city areas.

The low weight of the MEADRAIN DM City drainage channel enables rapid installation on the construction site, while the monolithic construction ensures a high level of installation

safety and an incomparably long service life. These qualities and the low maintenance requirements of these channels make them true champions in terms of economic efficiency and cost savings.

We make your work faster, safer, more economical and reliable.

Drainage system made from high-compressive and tensile strength polymer concrete

Perfect as an inner-city drainage solution: resistant to aggressive abrasion, premature aging and de-icing salt, completely frost-proof



100% traffic safe: no loose components such as bolts or metal parts

Eco- and climate-friendly, as the material used contains approximately 90% mineral aggregates

Loading class up to D 400



I POLYMER CONCRETE

THE QUALITY MATERIAL

MEA POLYMER CONCRETE

The special polymer concrete from MEA is remarkable for its outstanding physical and chemical properties. These make it an extremely reliable and versatile material in even the toughest conditions.

MEA polymer concrete channels are particularly eco-friendly. Mostly made out of minerals, polymer concrete channels are easy to recycle. Because of the quality material channels have a particularly long lifetime, saving future investments and unnecessary new building sites.

Polymer concrete channels are the more extremely resistant to liquid chemicals and acids, making them the perfect protection devices for the environment and ground waters.

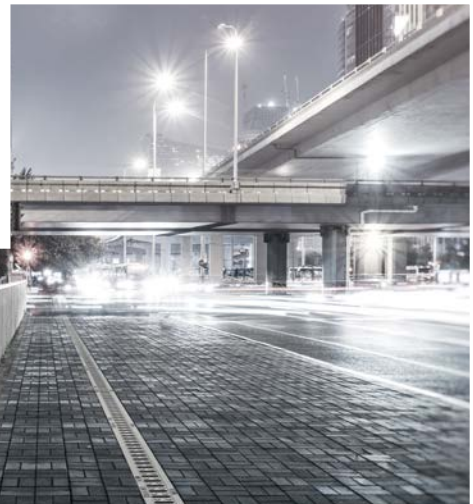
Last but not least, polymer concrete channels are significantly lighter than comparable concrete channels, making them considerably easier to install.

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-resistant, and maintenance-free. Highly resistant to liquid chemicals (pH range 3 to 9)



PUBLIC SPACES



PEDESTRIAN AND CYCLE PATHS

MEADRIN DM CITY

APPLICATION AREAS



PEDESTRIAN AREAS



BUILDING SUCCESS

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Business unit MEA Water Management