



Technical data sheet

Mono Fortis drainage channel



Manufacturer

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Product description

The Mono Fortis drainage channel is a polymer concrete channel for linear drainage for heavy-duty applications. Due to its monolithic construction, the Mono Fortis is extremely robust and therefore ideally suited for use in public areas, such as traffic routes, passable squares and parking areas.

Load class

Up to class E 600

Dimensions

External dimensions of the channel body:

Total width:	206 mm
Total height:	250 mm
Total length:	1.000 mm
Nominal dimension:	DN 150

Discharge coefficient

The calculation of the necessary gutter cross-section is carried out after specifying framework data (*rainwater yield / drainage area / gutter length / position of the spigots*).

Materials used

We use only European material from Germany, Sweden, France and Italy for our drainage channels.

Material specification channel body

Waterproof polymer concrete from own production

Important notes



The drainage channel must be set in concrete (foundation and lateral back supports). The relevant dimensions and the minimum requirements for the concrete are listed in the installation and use instructions.

The gutter is provided with a seal at the factory. When professionally installed in accordance with our installation and usage instructions, the connection between two channel elements is therefore permanently tight.

The installation must be permanently 2-3 mm below the road surface. When installing on a sealed concrete slab (balconies, roof areas), a protective film (made of suitable material, e.g. EPDM film) must be installed between the gutter and the sealing membrane at least in the width of the gutter in order to permanently protect the sealing.

The channel body must be set in concrete of grade C20/25.

Our installation instructions apply.

Accessories

The following accessories can be supplied:

- sink boxes





Processing and care instructions

The drainage channels must also be installed, if necessary, according to the specifications of the waterproofing manufacturers (e.g. bitumen manufacturers, sheeting manufacturers, etc.); precautionary measures must be taken if necessary.

Cleaning the gutters must not be done with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner.

If the gutter is used under canopies or roofing, it should be checked regularly for contamination and flushed as necessary, as only a little water is drained away and more deposits occur.

Further installation & usage instructions as well as information on the material can be found under:

<https://www.richard-brink.de/downloads/gesamtuebersicht.html>