



IRRIGATION SOLUTION MADE OF GRP

INNOVATIVE, LIGHT, LOW MAINTENANCE

IMEACLEAN PRO

TRFF IRRIGATION

Lack of precipitation, too small or non-existent tree grates, and long periods of heat are increasingly putting pressure on existing urban trees. The trees suffering from drought damage not only affect the urban climate, but also require time-consuming and costly additional irrigation, often with precious drinking water. At the same time, the precipitation from sealed surfaces is mostly fed unused via the sewage system to the municipal wastewater treatment plant, treated and discharged via rivers. Thus, this water is no longer available for decentralised irrigation, and the regeneration of the groundwater level. With the installation of a filter substrate channel, it is possible to additionally supply the urban green areas and urban trees with pre-treated rain water in a targeted manner. MEACLEAN PRO with filter substrate (DIBt approval Z-84.2-16) offers an effective irrigation solution for inner-city trees and plants. The innovative multi-layer substrate filter technology reliably binds over 99% of pollutants. Purified surface water can be used directly for watering the root system without evaporation losses.

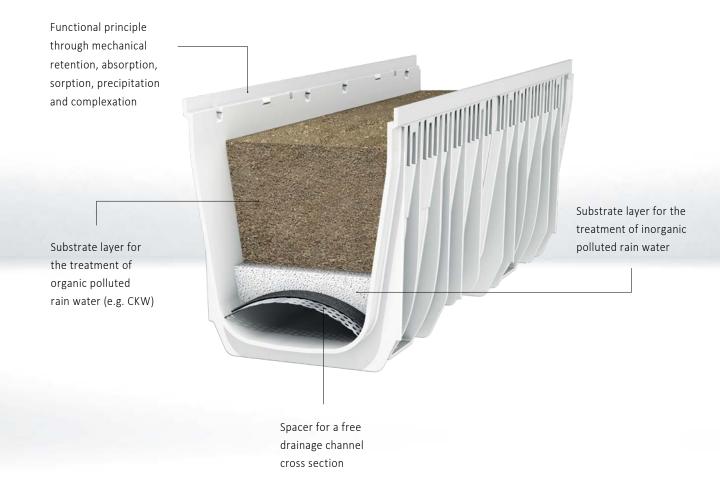
MEACLEAN PRO

- > Additional irrigation need for green areas is significantly reduced
- > Reduced water and personnel costs
- > Flood protection through a decentralised discharge of the canal system
- > Fast and effective irrigation of the root area, and also via ventilation opening
- > High cost/benefit factor





A solution for inner-city flood protection and improvement of the urban climate

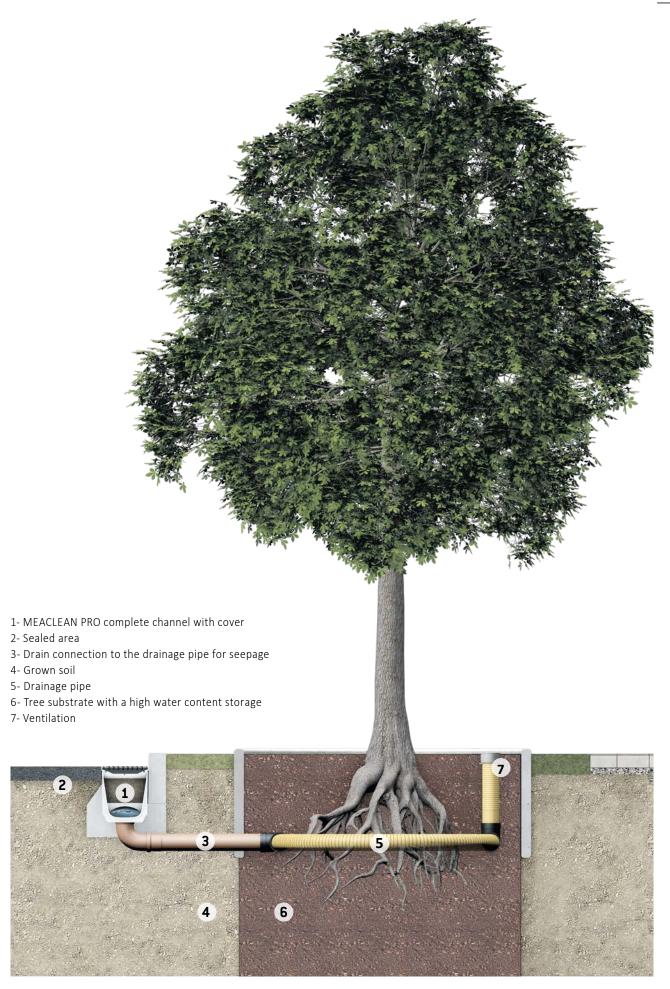


IMEACLEAN PRO SUSTAINABLE TREE IRRIGATION

Complete channel made of GRP with a multi-stage filter system for the treatment of contaminated rain water.

- > Complete channel with a nominal width of 300 mm
- > With a multi-stage filter system for the treatment of polluted rain water
- > Loadable up to class E 600
- > Use of surface water from sealed surfaces for irrigation of urban greenery
- > For the decentralised seepage of rain water during heavy rainfall events
- > Groundwater protection through decentralised
- > seepage of rain water
- > Easy cleaning and a long service life





IMEACLEAN PRO & MEASTORM THE PERFECT COMBINATION

The MEASTORM 1600 or MEASTORM 300 seepage tunnel is the ideal complement to the MEACLEAN PRO filtering channel. In the sense of proactive groundwater protection and to relieve the sewer system as well as the sewage treatment plants, the seepage tunnels serve the decentralized seepage of rainwater. Both in the traffic area up to SLW 60 and in the greened area, the tunnel elements can be dimensioned and arranged in a cost-optimised and individual manner to suit the respective local precipitation expectations.

The special advantage of the MEASTORM seepage tunnel, with its constructive heights of 40 and 80 cm, is the usability and functional safety even with high groundwater levels.Installation is extremely fast and efficient due to the low weight of the elements. In contrast to seepage boxes, no time-consuming assembly work is required for the connection technology. The tubular and strutless design allows easy maintenance and cleaning at any time through easy access.





SITUATION BEFORE INSTALLATION



MEACLEAN PRO DURING THE INSTALLATION PHASE

MEACLEAN PRO APPLICATION AREAS



URBAN TREE IRRIGATION IN CITY DISTRICTS



MEACLEAN PRO AFTER INSTALLATION



ARTERIAL ROAD IN THE CITY CENTRE

