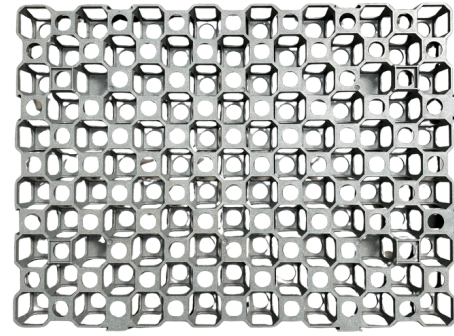


AquaRaft®



Heavy rain showers are becoming increasingly frequent, causing sewer overflows, flooded streets, and traffic standstills. To make public spaces resilient to these challenges, the AquaRaft water retention crate is applied.

How AquaRaft® works

Here's how it works: rainwater flows into the AquaRaft®. The water retention crates are largely hollow and have a high storage capacity, enabling them to temporarily hold the water and release it once the peak has passed. This reduces peak loads on the sewer system and limits flooding in urban areas. The system is lightweight, strong, and easy to integrate into a wide range of infrastructure projects. Thanks to integrated connectors, AquaRaft® units can also be easily linked together and installed quickly.

Specifications

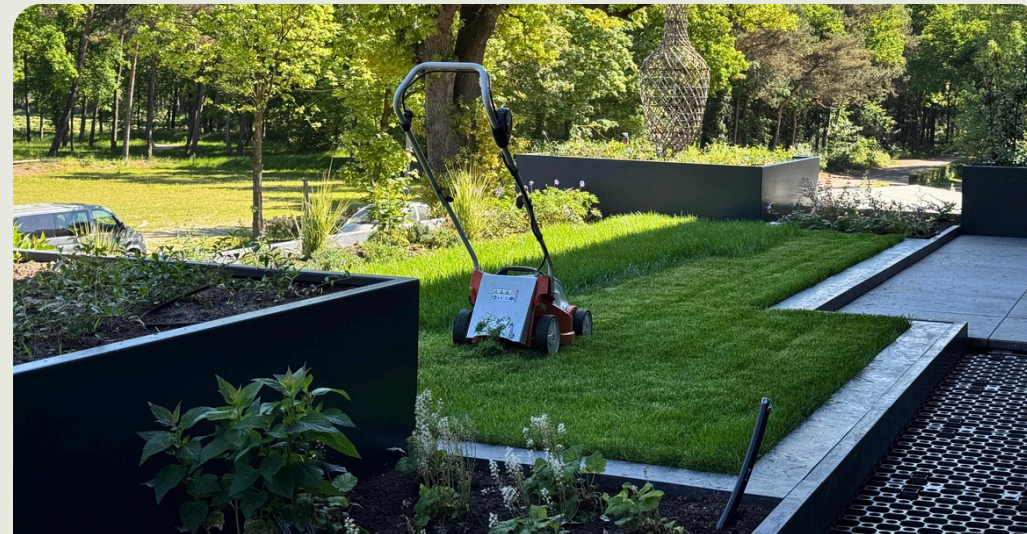
- **Material:** 100% recycled LDPE
- **Colour:** grey/green
- **Compressive strength:** 245 kN/m²
- Load-bearing directly on the panel
- Integrated conical coupling system
- Panels can be easily cut to size without loss of compressive strength
- **Service life:** minimum 50 years

AquaRaft® 50 mm

- **Weight:** 2.04 kg/unit
- **Dimensions:** 786 mm (L) x 580 mm (W) x 50 mm (H)
- **Buffer capacity:** 24 l
- **Open volume:** 21,6 l

AquaRaft® 100 mm

- **Weight:** 3.38 kg/unit
- **Dimensions:** 786 mm (L) x 580 mm (W) x 100 mm (H)
- **Buffer capacity:** 48 l
- **Open volume:** 44,6 l



AquaRaft® for Roof Gardens

AquaRaft® also provides an effective solution for roof gardens. By incorporating AquaRaft®, the roof build-up can be elevated without the need for large quantities of substrate. This significantly reduces the ballast load on the roof. At the same time, ample space remains for the integration of greenery, enabling roofs to contribute to biodiversity and urban cooling. The result is a lighter, more efficient, and more environmentally friendly design. In this way, stormwater is no longer a problem but instead becomes an opportunity for creating a healthy and green urban environment.

AquaRaft® for Sports Fields

Retention crates beneath sports fields play an important role in sustainable water management. They are installed beneath the top layer and collect rainwater that cannot be immediately absorbed by the soil. The structure is strong enough to withstand the weight of the field and sporting activities, ensuring that the quality of play is maintained. A smart solution for climate-resilient and future-proof sports field management.

