



HYDROROCK®
the green label in water management

The ecologically friendly infiltration block

Type D Rainwater drainage & buffer system



ENVIRONMENTALLY FRIENDLY DRAINAGE AND BUFFERING

HydroRock® infiltration blocks drain and buffer surface and rainwater in an environmentally friendly way. This unique natural material absorbs excess surface and rainwater with a capacity of 94% of its volume. The filter cloth ensures gradual infiltration into the surrounding soil.

EFFICIENT RAINWATER BUFFER

HydroRock® is a new type of rainwater buffer that stores more rain and groundwater but requires less digging. As a result, HydroRock blocks offer more water absorption and more efficient infiltration and drainage.

APPLICATIONS

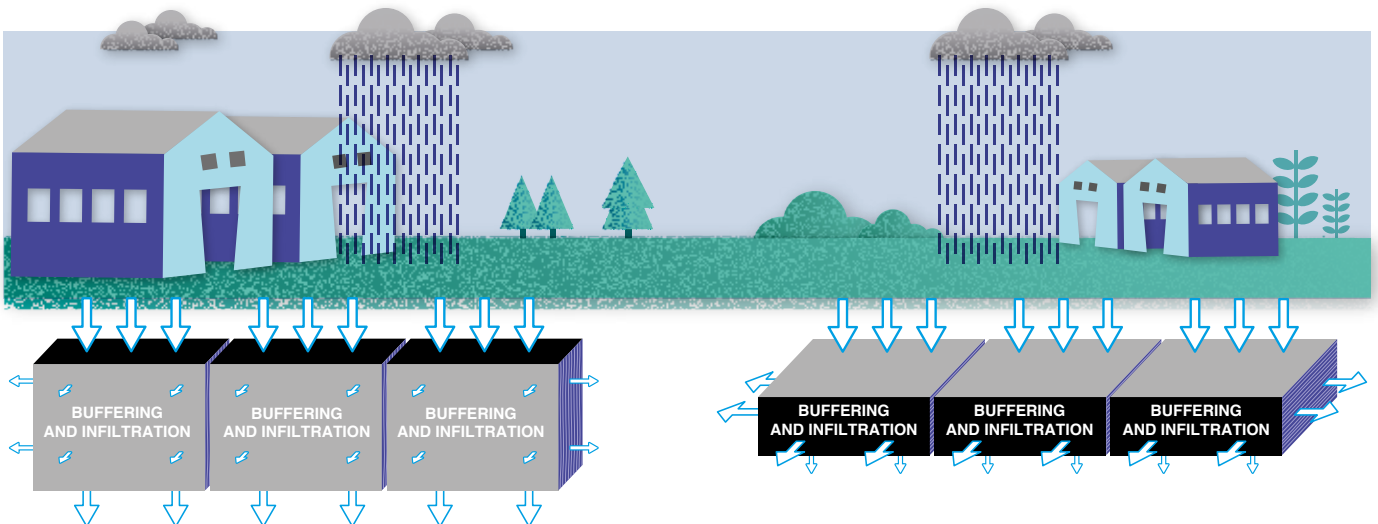
- Drainage to prevent flooding on pavings, in gardens and around buildings and sports fields.
- Ideal for drainage and infiltration of rainwater in houses with thatched roofs.
- Prevents flooding in rural areas.
- Local rainwater buffering and drainage. Supplements groundwater in a natural way.
- Prevents soil dehydration. Trees and plants enjoy rainwater for longer.

DURABILITY

HydroRock® is made of stone wool, a 100% natural material. It remains underground for decades in an optimum condition. HydroRock® withstands erosion from plant and tree roots and continues to work well for years. The cotton-based filter cloth membrane does not get mouldy or rot. It has a high breaking strength and resists natural substances in the soil.

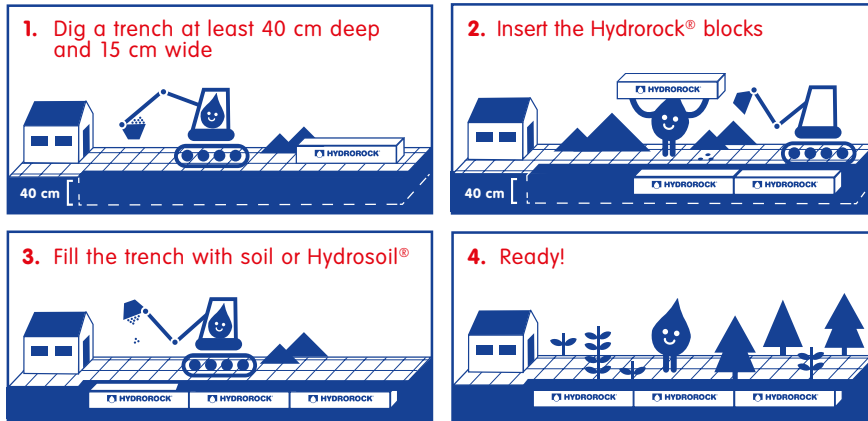
VERTICAL OR HORIZONTAL INSTALLATION

HydroRock® blocks have a fine, unidirectional fibre structure. A horizontal fibre direction promotes drainage while a vertical fibre direction promotes infiltration. For drainage of surface and rainwater, the blocks should be positioned horizontally. For buffering and infiltration of rainwater, the blocks should be positioned vertically.



EASY INSTALLATION

Hydrorock® is available in narrow blocks of various sizes. The enormous buffering capacity and dimensions limit the amount of digging required. Depending on the application, blocks are placed one after the other or beside one another to form the required buffer, drainage or infiltration system. They are suitable for any required capacity and situation. Digging narrow trenches is sufficient and limits the cost of removing surplus soil providing flexibility and simplicity.



SPECIFICATIONS

Horizontal application: Buffering and drainage.
Vertical application: Buffering and infiltration.
Material: 100% stone wool with a filter cloth membrane.
Buffering capacity: 94% of volume.
Load-bearing capacity: Max. 2000 kg per m²

SIZES

Type	Volume	Dimensions (LxWxH)	Contact surface	Weight
D34	34 litres	120 x 15 x 20 cm	0,9 m ²	2,7 kg
D112	112 litres	120 x 30 x 33 cm	1,71 m ²	9 kg
D170	170 litres	120 x 30 x 50 cm	2,22 m ²	13,5 kg
D340	340 litres	120 x 30 x 100 cm	3,72 m ²	27 kg

HOW MANY HYDROROCK® BLOCKS DO YOU NEED?

Soil type	Infiltration capacity (mm / hour)	Buffering capacity needed (litres per 100 m ² paved surface)	Number of Hydrorock® blocks			
			D340	D170	D112	D34
Sand:	more than 30	1500	5	10	15	50
Sandy loam:	20 – 30	2000	6	12	18	60
Loam:	10 – 20	2500	8	16	24	80
Boulder clay:	5 – 10	3000	9	18	27	90
Clay:	1 – 5	3500	11	22	33	110

THE ECOLOGICALLY FRIENDLY ALTERNATIVE TO INFILTRATION CRATES, DRAINAGE HOSES AND GRAVEL TRENCHES.

THE BENEFITS OF HYDROROCK®

- Absorption and discharge capacity of 94% of volume.
- Withstands erosion from plant and tree roots.
- Easy installation.
- No slope needed for correct drainage.
- Limited excavation needed.
- Vegetation grows and blossoms better thanks to the unique buffering and infiltration capacity.
- No plastic (polypropylene) in the soil.
- Cradle-to-cradle: 100% recyclable stone wool. Made of basalt, a natural stone.
- Excellent price-performance ratio.



MANUFACTURED TO LAST A LIFETIME



NO PIPEWORK NECESSARY EASY DIY FIT



100% ENVIRONMENTALLY FRIENDLY



CAN BE WALKED ON & DRIVEN OVER
Max. 2000 kg per m²



READY FOR IMMEDIATE USE



100% DUTCH PRODUCT



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