

The ecologically friendly infiltration block

Type BD Rainwater separation & infiltration system



ENVIRONMENTALLY FRIENDLY SEPARATION

A HydroRock® infiltration block is made from 100% natural stone wool with a filter cloth membrane. It absorbs rainwater with a capacity of 94% of its volume. Built-in perforated pipes provide a connection to the rainwater discharge. 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

- Separating rainwater discharges in homes, offices, carports and garages.
- Separating rainwater inlets and drains in paving.
- Local rainwater buffering and infiltration. Supplements groundwater in a natural way.

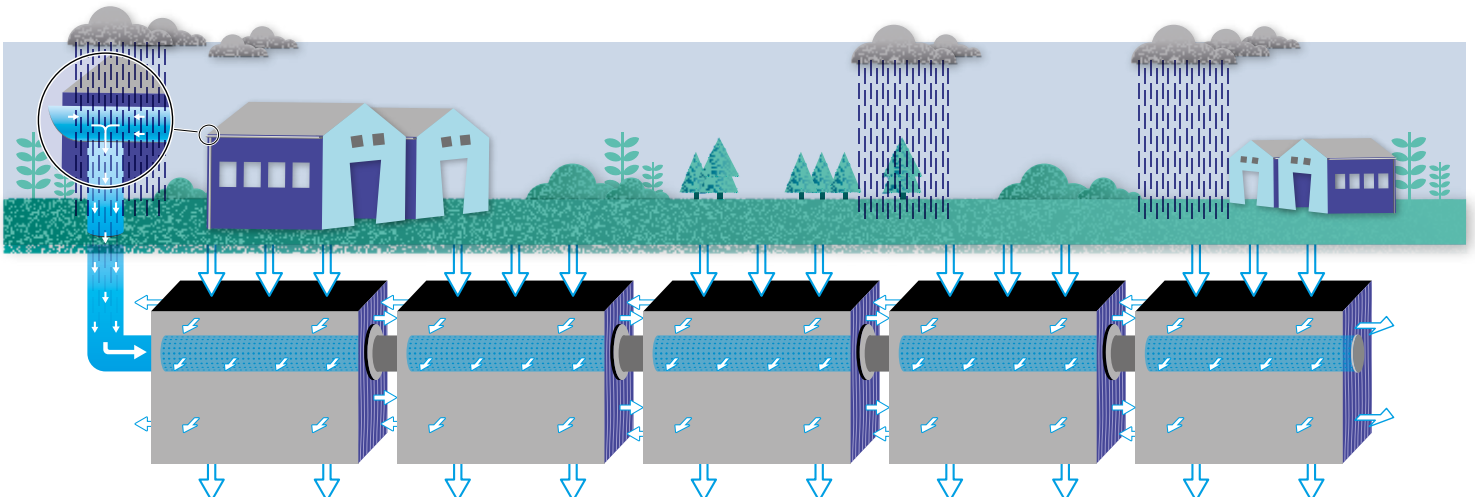
- Prevents soil dehydration. Trees and plants enjoy rainwater for longer.

DURABILITY

HydroRock® infiltration blocks remain underground for decades in optimum condition. Standard plastic buffers are liable to surface damage and have to be replaced. HydroRock® withstands erosion from plant and tree roots. 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.

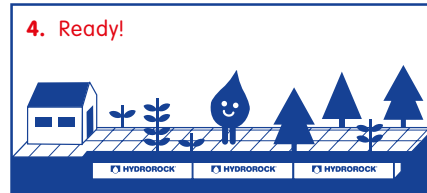
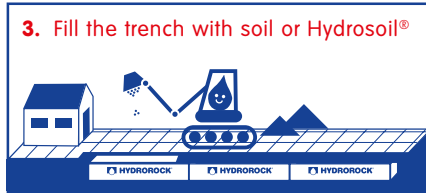
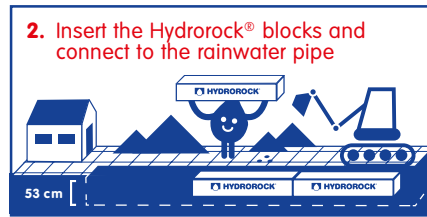
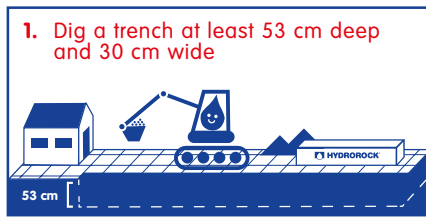
VERTICAL INSTALLATION

HydroRock® blocks have a fine, unidirectional fibre structure. A horizontal fibre direction promotes drainage while a vertical fibre direction promotes infiltration. For separation 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. Narrow trenches are sufficient and limit the cost of removing surplus soil. The blocks are easy to attach to one another forming a separation system suited to any required capacity and situation.



SPECIFICATIONS

Application:	Separation and infiltration of rainwater.
Material:	100% stone wool with a filter cloth membrane.
Buffering capacity:	94% of volume. Traditional water buffers contain about 30% air.
Pipe:	Built-in perforated pipe, standard: Ø100. Other sizes on request.
Load-bearing capacity:	Max. 2000 kg per m ² .

SIZES

Type	Volume	Dimensions (LxWxH)	Contact surface	Weight
BD112	112 litres	120 x 30 x 33 cm	1,71 m ²	9 kg
BD170	170 litres	120 x 30 x 50 cm	2,22 m ²	13,5 kg
BD340	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		
			BD340	BD170	BD112
Sand:	more than 30	1500	5	10	15
Sandy loam:	20 – 30	2000	6	12	18
Loam:	10 – 20	2500	8	16	24
Boulder clay:	5 – 10	3000	9	18	27
Clay:	1 – 5	3500	11	22	33

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



100% ENVIRONMENTALLY FRIENDLY



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



READY FOR IMMEDIATE USE



NOTE POSITION!



100% DUTCH PRODUCT



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