



**HYDROROCK®**  
the green label in water management

# The ecologically friendly infiltration block

## Type BD-HD Rainwater separation & infiltration system

### HIGH DENSITY VERSION

#### ENVIRONMENTALLY FRIENDLY SEPARATION

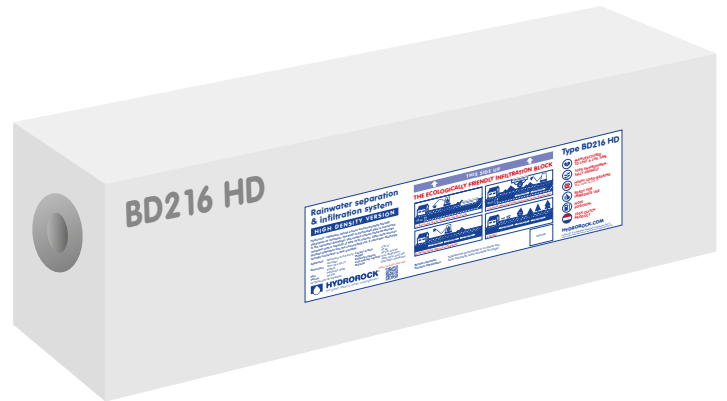
A Hydrorock® infiltration block is made from 100% natural stone wool with a filter cloth membrane. It absorbs rainwater with a capacity of 94% of its volume. Built-in perforated pipes provide a connection to the rainwater discharge. The filter cloth ensures gradual infiltration into the surrounding soil.

#### 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 on heavy load-bearing areas.
- Separating rainwater inlets and drains in heavy load-bearing pavings.
- Local rainwater buffering and infiltration. Supplements groundwater in a natural way.



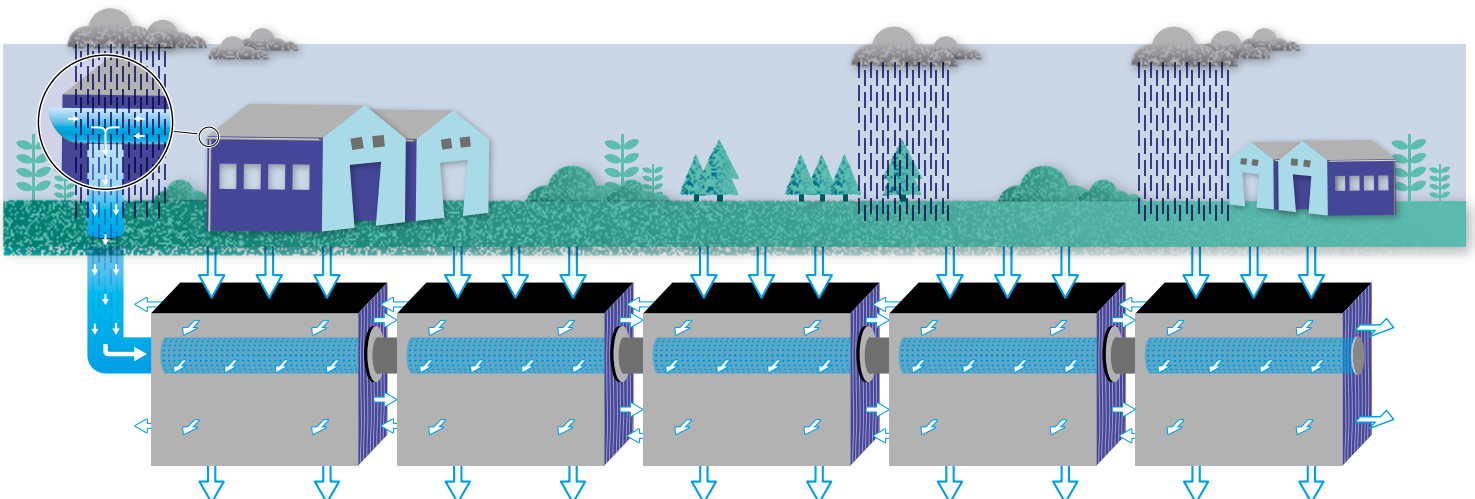
- Prevents soil dehydration. Trees and plants enjoy rainwater for longer.

#### ESPECIALLY FOR HEAVY LOAD-BEARING AREAS

Hydrorock® High Density (HD) blocks are designed for heavy load-bearing areas and can be loaded up to a maximum of 4000 kg/m<sup>2</sup>. The HD-blocks have a dense fibre structure in one direction that determine the compressive strength. When disconnecting rainwater drains and in heavy load-bearing areas, the HD-blocks need always to be placed in a standing position.

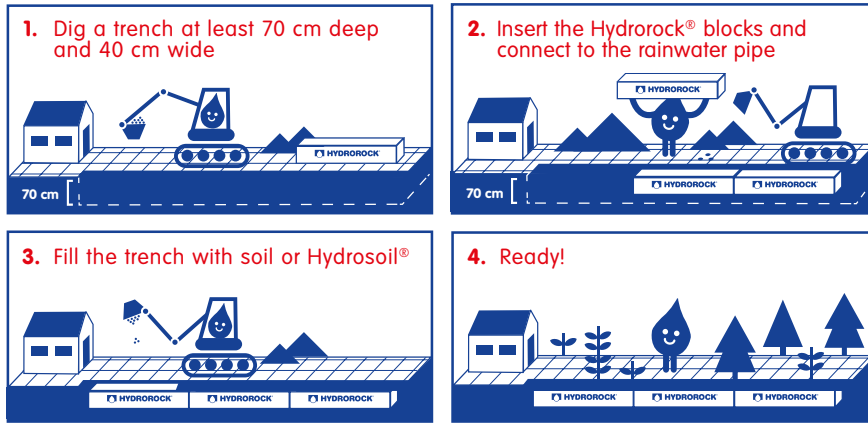
#### DURABILITY

Hydrorock® infiltration blocks remain underground for decades in an 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.



## EASY INSTALLATION

The huge buffer capacity and sizing of Hydrorock® infiltration blocks limit the excavation work. 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 HIGH DENSITY

<b>Application:</b>	Separation and infiltration of rainwater.
<b>Material:</b>	100% stone wool with a filter cloth membrane.
<b>Buffering capacity:</b>	90% of volume. Traditional water buffers contain about 30% air.
<b>Pipe:</b>	Built-in perforated pipe, standard: Ø100. Other sizes on request.
<b>Load-bearing capacity:</b>	Max. 4000 kg per m <sup>2</sup> .

## SIZES

<b>Type</b>	<b>Volume</b>	<b>Dimensions (LxWxH)</b>	<b>Contact surface</b>	<b>Weight</b>
BD216 HD	216 litres	120 x 40 x 50 cm	2,56 m <sup>2</sup>	29 kg

## HOW MANY HYDROROCK® BLOCKS DO YOU NEED?

Soil type	Infiltration capacity (mm / hour)	Buffering capacity needed (litres per 100 m <sup>2</sup> paved surface)	Number of Hydrorock® blocks BD216 HD
Sand:	more than 30	1500	7
Sandy loam:	20 – 30	2000	10
Loam:	10 – 20	2500	12
Boulder clay:	5 – 10	3000	14
Clay:	1 – 5	3500	17

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

## THE BENEFITS OF HYDROROCK®

- Absorption and discharge capacity of 90% 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.
- 100% recyclable stone wool.
- Made of basalt, a natural stone.
- Excellent price-performance ratio.



**MANUFACTURED TO LAST A LIFETIME**



**100% ENVIRONMENTALLY FRIENDLY**



**HEAVY LOAD-BEARING**  
Max. 4000 kg per m<sup>2</sup>



**READY FOR IMMEDIATE USE**



**NOTE POSITION!**



**100% DUTCH PRODUCT**



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