



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

# The ecologically friendly infiltration block

## Type D-HD Rainwater drainage & buffer system

### HIGH DENSITY VERSION

#### ENVIRONMENTALLY FRIENDLY DRAINAGE AND BUFFERING

HydroRock® infiltration blocks drain and buffer surface water and rainwater in an environmentally friendly way. This unique natural material absorbs excess surface and rainwater with a capacity of 90% 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 heavy load-bearing 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.



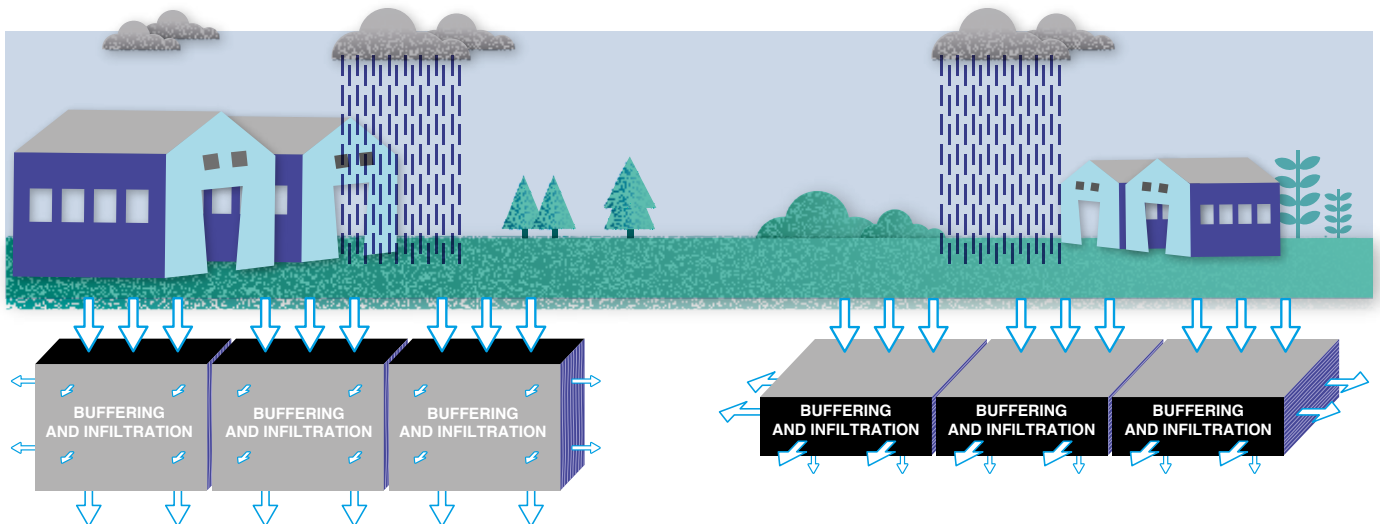
- Prevents soil dehydration. Trees and plants enjoy rainwater for longer.

#### 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. To serve this heavy load-bearing capacity the HD blocks therefore need always to be placed in a standing position.

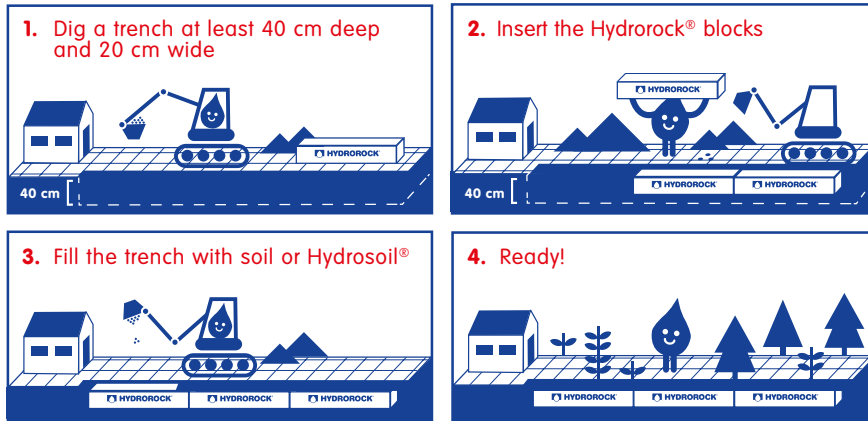
#### DURABILITY

HydroRock® is made of stone wool, a 100% natural material. It remains 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 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.



## 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 either on top of each 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 HIGH DENSITY

<b>Application:</b>	Buffering, infiltration and drainage.
<b>Material:</b>	100% stone wool with a filter cloth membrane.
<b>Buffering capacity:</b>	90% of volume.
<b>Load-bearing capacity:</b>	Max. 4000 kg per m <sup>2</sup> .

## SIZES

Type	Volume	Dimensions (LxWxH)	Contact surface	Weight
D43 HD	43 litres	120 x 20 x 20 cm	1,04 m <sup>2</sup>	5,8 kg
D216 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	
			D43 HD	D216 HD
Sand:	more than 30	1500	35	7
Sandy loam:	20 – 30	2000	47	10
Loam:	10 – 20	2500	59	12
Boulder clay:	5 – 10	3000	70	14
Clay:	1 – 5	3500	82	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**



**NO PIPEWORK NECESSARY EASY DIY FIT**



**100% ENVIRONMENTALLY FRIENDLY**



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



**READY FOR IMMEDIATE USE**



**100% DUTCH PRODUCT**



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