**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/m². 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
Application: Separation and infiltration of rainwater.
Material: 100% stone wool with a filter cloth membrane.
Buffering capacity: 90% of volume. Traditional water buffers contain about 30% air.
Pipe: Built-in perforated pipe, standard: Ø100. Other sizes on request.
Load-bearing capacity: Max. 4000 kg per m².

SIZES

<table>
<thead>
<tr>
<th>Type</th>
<th>Volume</th>
<th>Dimensions (LxWxH)</th>
<th>Contact surface</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD216 HD</td>
<td>216 litres</td>
<td>120 x 40 x 50 cm</td>
<td>2,56 m²</td>
<td>29 kg</td>
</tr>
</tbody>
</table>

HOW MANY HYDROROCK® BLOCKS DO YOU NEED?

<table>
<thead>
<tr>
<th>Soil type</th>
<th>Infiltration capacity (mm / hour)</th>
<th>Buffering capacity needed (litres per 100 m² paved surface)</th>
<th>Number of Hydrorock® blocks BD216 HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand: more than 30</td>
<td></td>
<td>1500</td>
<td>7</td>
</tr>
<tr>
<td>Sandy loam: 20 – 30</td>
<td></td>
<td>2000</td>
<td>10</td>
</tr>
<tr>
<td>Loam: 10 – 20</td>
<td></td>
<td>2500</td>
<td>12</td>
</tr>
<tr>
<td>Boulder clay: 5 – 10</td>
<td></td>
<td>3000</td>
<td>14</td>
</tr>
<tr>
<td>Clay: 1 – 5</td>
<td></td>
<td>3500</td>
<td>17</td>
</tr>
</tbody>
</table>

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 m²

READY FOR IMMEDIATE USE

NOTE POSITION!

100% DUTCH PRODUCT