



RainBlock Smart
Technical Datasheet

uponor



RainBlock Smart infiltration

Flexible, strong, and durable design with a wide installation window.

Stackable blocks need less space in the transport and warehouse.

Body protected blocks weigh only 10 kg, speeding up installation.

Easy to inspect and clean using hydro jetting.


Sustainable, made from 100% recycled polypropylene plastic.

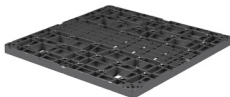
RainBlock Smart infiltration

The RainBlock Smart system is an underground structure for storm water infiltration, suitable for the absorption of surface runoff at the source. Infiltration systems are typically used in residential, commercial, or municipal construction projects and near roadways. The system consists of rectangular modular infiltration blocks, base plates, side plates, adapters, and storm water chambers set before and after the block area. The blocks can be installed in rows and many layers.


| | |
|-------------------------------------|------------------------------|
| Application | Storm water infiltration |
| Material | Polypropylene, 100% recycled |
| Colour | Black |
| Storage coefficient | 203/211 l, 96% |
| Ultimate strength kN/m ² | Vertical 350, lateral 120 |
| Standards | EN 17151 |
| Max. installation depth | 5-7,5 m |


Assortment

| Infiltration blocks | Name | Weight, kg | Max. installation depth, m | Uponor no | Ref no |
|--|-------------|------------|----------------------------|-----------|--------|
|  | Smart | 10 | 5 | 1122168 | |
| | Smart Plus | 11.5 | 6 | 1122235 | |
| | Smart Ultra | 12 | 7,5 | 1122236 | |
| <p>Infiltration block for storm water. Can be installed in rows and layers. Need bottom and side plates to build up the full system.</p> | | | | | |

| Bottom plate | Dimension, mm | Weight, kg | Volume, l | Uponor no | Ref no |
|---|---|------------|-----------|-----------|--------|
|  | 800x800x40 | 4 | 24 | 1122169 | |
| | <p>The bottom plate is placed at the bottom of the block area before installing the blocks.</p> | | | | |

| Side plate | Dimension, mm | Weight, kg | Uponor no | Ref no |
|---|---|------------|-----------|--------|
|  | 295x800x55 | 1,8 | 1122170 | |
| | <p>The system is closed using side plates. Connection possibilities for 110, 160, 200, and 250 plates in centre, 110 and 160 in top, and 110 and 160 in bottom.</p> | | | |

| Connecting elements | Package size, pc | Uponor no | Ref no |
|---|--|-----------|--------|
|  | 25 | 1134913 | |
| | <p>For the horizontal connection of multiple blocks or base plates to one another.</p> | | |

| Adapter plate | Size | Uponor no | Ref no |
|---|---------------|-----------|--------|
|  | OD110/160 | 1122171 | |
| | OD200/250 | 1122173 | |
| | OD315/400/500 | 1122174 | |
| <p>Adapter plates provide an easy way to connect storm water pipes to the block area. Mounts on the side plate.</p> | | | |

Moving
> Forward

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