



## Exterior Design

# Tree Watering Islands

Heavy downpours are becoming increasingly common with an increase in the number of brief extreme downpours, in particular. The number of days with heavy downpours in the Netherlands has even doubled since the 50s. The cause behind this is climate change. Because we are confronted with a rise in temperature, the quantity of water vapour increases.

And the more water vapour in our atmosphere, the higher precipitation levels. For every degree of temperature rise, precipitation increases by up to 14% per hour during extreme showers. In this respect, it is important for cities to have appropriate measures in place. 'Urbanisation' presents a big problem here, as it prevents the rain water from seeping /filtrating into the ground. Our sewer system is also not equipped to adequately handle the water excess during extreme downpours. The solution is for the water to infiltrate in places where it is useful for our urban greenery and for the groundwater to be replenished.

It would also be good to buffer all the falling water in green urban areas where possible. That would prevent the streets from becoming flooded and the sewage system from becoming overburdened. The greenery/trees can absorb this water so that the excess water can calmly seep down to groundwater level.

GreenMax has developed special Tree Watering Islands for this purpose, which can be placed around tree trunks in hardened surfaces. The channel allows for quick drainage. The Tree Watering Islands are available in various designs. The raised edge also provides protection for the tree and reduce the pressure. Tree Watering Islands can also easily be combined with our Tree Grilles.

## Material

### Corten steel exterior

- Rolled Corten steel 3 mm thick
- More sustainable due to its own oxide layer
- Natural appearance and maintenance-friendly

### Black-grey (RAL 7021)

- Rolled aluminium 4 mm thick
- Corrosion-resistant
- Durable due to galvanisation and powder coating



Available in  
both black-grey  
(RAL 7021) and  
Corten steel



Our Tree Watering Islands can be easily installed on existing concrete foundations. See assembly for further explanation

### Square - various standard sizes

The following patterns are applicable in all dimensions. The pattern may slightly vary depending on the dimensions. Customization is also possible, please inquire for more information. Tree pits can be made in Corten steel ('rust') or black-grey.

| Type      | Description   | ø Tree hole<br>mm | Length<br>mm | Width<br>mm | Height<br>mm | Weight<br>kg |
|-----------|---|-------------------|--------------|-------------|--------------|--------------|
| TWE S980  | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 990               | 1410         | 1410        | 250          | 67,4         |
| TWE S1200 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1210              | 1650         | 1650        | 250          | 75,4         |
| TWE S1490 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1500              | 1920         | 1920        | 250          | 87,7         |
| TWE S1800 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1810              | 2230         | 2230        | 250          | 103,2        |
| TWE S1950 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1960              | 2380         | 2380        | 250          | 109,8        |

## Round - various standard sizes

The patterns below are applicable in all sizes. The pattern may vary slightly depending on the size. Customization is also possible; please inquire for more information. Tree pits can be made in Corten steel ('rust') or black-grey.

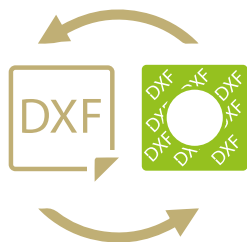
| Type     | Description   | ø Tree hole mm | ø Diameter mm | Height mm | Weight kg |
|----------|---|----------------|---------------|-----------|-----------|
| BS R980  | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 990            | 1410          | 250       | 46        |
| BS R1200 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1210           | 1650          | 250       | 72        |
| BS R1490 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1500           | 1920          | 250       | 115       |
| BS R1800 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1810           | 2230          | 250       | 178       |
| BS R1950 | <ul style="list-style-type: none"> <li>● Corten</li> <li>● Black-grey (RAL 7021)</li> </ul> | 1960           | 2380          | 250       | 195       |

## Specifications

Our Tree Watering Islands can be easily installed on existing concrete foundations. See installation manual for further explanation. The grate must be supported by load-bearing gravel.



Assembly time for 1 person: 10 minutes



No additional delivery time when custom made

