



Technical data sheet

TreeParker Unit

Suspended pavement - / structural soil cell system

Type: TreeParker Unit xxx cm
(xxx = height of the unit)

Material: made of recycled material

Colour: black/anthracite

Dimensions:
605mm (l) x 605mm (w) x 400 -
1500mm (h)

Weight: (400-1500mm)
11,34 - 20,84 kg

TreeParker unit consists of:

1 pc.	TreeParker Deck
2 pc.	TreeParker Frame
4 pc.	TreeParker Post

Storage: cover to protect against UV
light

HS code: 39269097



Specifications grey infrastructure

Maximum load capacity

TreeParker unit 40 cm up to 550 KN/m².

TreeParker unit 150cm up to 420 KN/m².

Evenly distributed load.

Min. installation depth for axelload 15 tons

* 15 cm: 5 cm aggregate (0-32,5mm) with concrete
pavement (10cm layer concrete poured at location,
e-modulus 20,000MPa).

* 30 cm aggregate(0-32,5mm) underneath pavers/asphalt.
Aggregate e-modulus >500MPa.

Utility friendly

TP units must be able to be moved freely around
existing utilities. With a connected matrix of units this is
not possible. Units/cells are designed and tested as
stand alone (not interconnected)

Maintenance and repair

Every unit can easily be opened and closed without dama-
ging the integrity of the system, even when the units are
connected.

No pavement lifting

Soil settlement and -expanding within the system will not
have any effect on the pavement.

Adjustable height

To maximize soil volume or overcome (un)foreseen obsta-
cles the system must be adjusted to every length prefera-
ble.

Chemically inert

All materials are chemically inert to natural soil conditions.
100 years guarantee.



TreeParker Deck

Material: recycled fibreglass reinforced polypropylene (PP 100 % recyclable)

Colour: black

Weight: 2,3 kg/pc.

Dimensions: 503mm (l) x 503mm (w) x 30mm (h)



TreeParker Frame

Material: recycled fibreglass reinforced polypropylene (PP 100 % recyclable)

Colour: black

Weight: 2,9 kg/pc.

Dimensions: 605mm (l) x 605mm (w) x 55mm (h)



TreeParker Post

Material: PVC, 100 % recyclable

Colour: anthracite

Weight: 2,1 kg/pc.

Dimensions: Ø105 mm, length 400 mm up to 1500 mm

Tubes with inside reinforcement to withstand horizontal and vertical impacts

Specifications green infrastructure

Root friendly

Smallest penetrable opening Ø 33 cm. The smallest opening must be bigger than the maximum root thickness, to prevent strangling of the roots.

Maximum soil volume

Ca. 95 % of the system can be filled with soil (1-1,5 MPa penetration resistance) and still leaving a 5 cm air layer on top. Uncompacted soil will settle up to 25%.

Water- and air capacity

Within the TreeParker system the soil acts as one continuous natural soil volume, this will enhance root growth because of good water and air penetration and diffusion.

High quality soil

The system is fillable with all kind of soils. No concession needed on soil quality. The system does not impose restrictions on the soil mix.

Specifications blue infrastructure

Stormwater retention and infiltration

TreeParker system are BMP stormwater management systems. No open walls, uncompacted soil or open posts which drains the water down directly and too fast. In TreeParker the soil and tree can take maximum advantage of the incoming water, rain water and/or irrigation water.

Water quality

The soil within the TreeParker system acts as a natural filter (Phytoremediation). Polluted stormwater is filtered and only clean water will recharge groundwater. Water is not drained down directly through the system but will be first filtered.