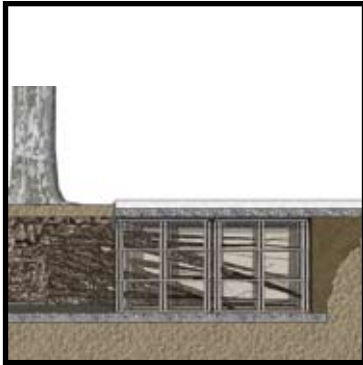


# Silva Cell (\*)

## Root and Water Management



### Applications:

- Supports traffic loads while providing uncompacted soil volumes for large tree growth and onsite stormwater management
- Ideal for any development application including plazas, sidewalks, parking lots and playgrounds

### Silva Cell:

The limiting factors in the growth of urban trees are small planting volumes and highly compacted poor-quality soil. The Silva Cell system provides large volumes of uncompacted high-quality soil while maximising the usable space above ground. Because the Silva Cell meets European traffic loading standards, it easily supports roads, parking spaces and paving while its modular design is ideal for almost any application. The advantages of large trees are numerous and range from aesthetic beauty and excess water management to reduction of high temperatures in urban areas. The Silva Cell enables the development of functional and beautiful trees in urban areas.

### Parking spaces:

Trees get a chance to grow healthy and functional while available parking spaces are maximized.

### Footpaths and roads:

“Break Out Zones” are created for street trees that enlarge the rootable space underground.

### Business parks and public grounds:

When urban trees grow larger they create more shade. This reduces temperatures in urban environments. Excess water is slowed, filtered and cooled, enabling highly efficient water treatment and evapotranspiration onsite.

### Features:

The Silva Cell system allows for flexible design. The modular Silva Cell supports traffic loads while providing uncompacted soil volumes for bioretention, filtration, storage and recharge of stormwater runoff. Existing site utilities can easily be accommodated, proving full site utilization and maximum ecological benefit.



### Properties:

- Easy to install
- 92% void space
- High loading capacity (meets European standards)
- Trees and their roots can grow to full stature
- Large water absorption capacity helps manage daily rainfall events
- Modular design makes site adaptability simple and easy

### Materials:

- Fibre glass reinforced polypropylene

### Sizes:

Frame: 40x60x120cm

Deck: 5x60x120cm

Supplied on project basis.

(\*) Silva Cell™ is a trademark owned by DeepRoot Partners. LP

**GREENMAX** 

*Guiding nature!*