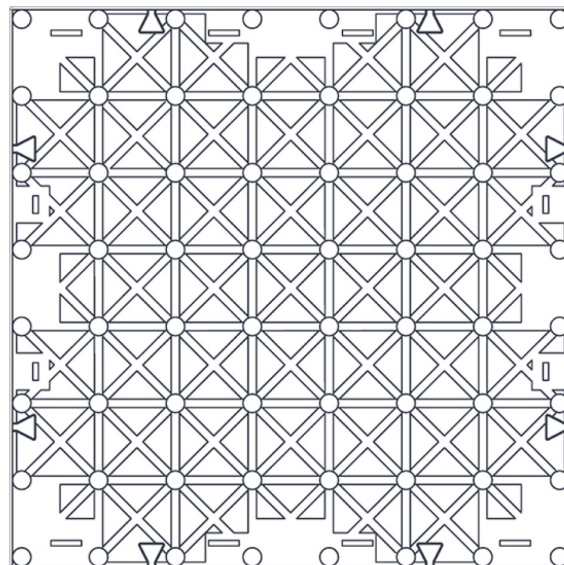


IT PLUS VARIO TREEBOX



Description

This sandwich construction has been specifically developed as a tree growth support system.

It provides an effective way to create a secondary ground level (air layer), preventing root heave from damaging the overlying pavement over time. In addition, the load distribution ensures that the underlying layer of structural tree soil or tree aggregate is not compacted, allowing unrestricted root growth.

The IT-Plus® Vario Treebox—also referred to as a tree crate—ensures stable load distribution in the subsoil and a minimally compacted growing medium, enabling unhindered root development. The tree crates can optionally be filled with a nutrient-rich mixture, ensuring that the underlying roots are continuously supplied with essential nutrients. Rainwater causes the inserted mixture to settle over time, resulting in the formation of a secondary ground level (air layer) after settlement.

The thermally stable IT-Plus® Vario Treebox is available in various heights depending on the installation depth and offers high load-bearing capacity, low weight and maximum storage volume.



IT PLUS VARIO TREEBOX

Advantages

- Open space approx. 94%
- Perforation surface > 63%
- Vertical deflection: 1 mm per 141 kN/m²
- Low permanent deformation
- Crates interconnected by loose connectors
- Tensile strength of connector > 62 kN/m²
- Lateral compressive strength > 210 kN/m²
- Bending resistance: 1.32 kN/m² (H = 150 mm)
- Minimum open space: 38 mm

Characteristics

Characteristic	Value	Characteristic	Value
Colour	Black	Width (mm)	600
Length (mm)	600		

Variants

Article code	Commercial Code	Height (mm)	Weight per m ² (kg)	Compressive strength (kN/m ²)
45124	TREEBOX050	50	5,30	>2400
22770	TREEBOX065	65	6,10	>2000
22771	TREEBOX080	80	7	>1700
22772	TREEBOX100	100	7,70	>1400
22430	TREEBOX150	150	10,20	>1000

