

SPECIFICATIONS

PREFAB GARDEN SYSTEM

The structure described in this specification text is the Preverde garden structure retention H100. This system is a modular and prefabricated system for the realization of garden surfaces at ground level.

The system consists of a modular base structure on which; Depending on the design different finishes can be applied. The various components are supplied and installed as one integrated system.

The Preverde garden structure retention H100 is constructed from bottom to top as follows:

- Pressure distributing cloth
- Preverde retention crate H100
- Preverde base element
- Finishing according to design:
 - Finish; Tile
 - Finish; Bulk material
 - Finish; Planting low
 - Finish; Planting raised border
- Edge finishing according to design
- Boundary fence according to design

These components have the following details:

PREVERDE PRESSURE DISTRIBUTING CLOTH

The Preverde Pressure Distribution Fabric is a pressure distributing layer for use within the Preverde prefab garden system. The fabric is used as an underlying layer for the Preverde system structure and contributes to an even distribution of loads over the substrate.

The Preverde pressure distributing fabric has the following properties:

- Supplier: Preverde B.V.
- Material: 100% recycled polyester
- Weight: 1000 g/m²
- Overlap: at least 100 mm

Processing: according to current assembly and processing instructions from

Preverde.

PREVERDE RETENTION CRATE H100

The Preverde Retention Crate H100 is a modular water retention crate for use within the Preverde prefab garden system. The retention crate provides temporary water storage and forms the substructure for the Preverde Base Element.

The Preverde Retention Crate H100 has the following properties:

- Supplier: Preverde B.V.
- Size: 600 × 600 mm
- Height: 100 mm
- Area: 0.36 m²
- Dry weight: 5 kg/m²
- Water saturated weight: 100 kg/m²
- Water storage capacity: 95 l/m²

- Material: PP (mix recycled / virgin)
- Compressive strength: >500 kN/m²
- Connection: supplied connectors, 6 pieces/m²

Processing: according to current assembly and processing instructions from Preverde.

BEAUTIFUL BASE ELEMENT

The Preverde Base Element – Empty is a modular element within the Preverde prefab garden system and forms the basis for the various finishing variants.

The Preverde Base Element – Empty has the following properties:

- Supplier: Preverde B.V.
- External dimensions (LxWxH): 605x605x150mm
- Internal dimensions (LxWxH): 600x600x148mm
- Surface: 0,366m²
- Material: Recycled Polypropylene
- Color: Black
- Weight: ± 2.7 kg

The Preverde base element has the following finishes

PREVERDE BASE ELEMENT – FINISHING; TILE

The Preverde Base Element – finish; Tile is a modular element within the Preverde prefab garden system, equipped with tile supports and a ceramic tile.

The Preverde Base Element – finish; Tile has the following structure:

- Preverde base element – empty
- Preverde Tile Supports
- Ceramic tile

The Preverde Base Element – finish; Tile has the following properties:

- Supplier: Preverde B.V.
- External dimensions (LxWxH): 605x605x160mm
- Structural calculation weight (water-saturated): approx. 70 kg per element
- Water buffer: 50 liters per element.
- Surface: 0,366m²
- Type of tile supports: Preverde tile supports
- Height of tile supports: 50mm
- Adjustability of tile carriers: Yes
- Tile type: Ceramic tile
- Tile dimensions: 600x600x20mm

Processing: according to current assembly and processing instructions from Preverde.

PREVERDE BASE ELEMENT – FINISHING; BULK MATERIAL

The Preverde Base Element – finish; Bulk material is a modular element within the Preverde prefab garden system, made of bulk material.

The Preverde Base Element – finish; Bulk material has the following structure:

- Preverde base element – empty
- Preverde substructure for bulk material
- Bulk material

The Preverde Base Element – finish; Bulk material has the following properties:

- Supplier: Preverde B.V.
- External dimensions (LxWxH): 605x605x150mm

- Structural weight (water saturated): approx. 50 kg per element
- Water buffer: approx. 30 litres per element
- Surface: 0,366m²
- Type of bulk material: Gravel / Peridot / Cocoa shells / Pear kernels / Wood chips
- Layer thickness of loose material: ± 60mm
- Type of substructure: Preverde substructure loose material

Processing: according to current assembly and processing instructions from Preverde.

PREVERDE BASE ELEMENT – FINISHING; PLANTING LOW

The Preverde Base Element – finish; Low planting is a modular element within the Preverde prefab garden system, executed with low planting.

The Preverde Base Element – finish; Planting low has the following structure:

- Preverde base element – empty
- Preverde stone wool cubes 3x3cm
- Preverde planting soil
- Planting

The Preverde Base Element – finish; Planting low has the following properties:

- Supplier: Preverde B.V.
- External dimension: 605x605mm
- Height: 150mm (excl. Planting)
- Structural calculation weight (water-saturated): approx. 83 kg per element
- Water buffer: approx. 38 litres per element
- Surface: 0,366m²

The planting is tailored to the desired application, location and appearance of the design. The planting can include ground-cover plants, border planting, ornamental grasses and turf.

The exact plant species are determined on the basis of the planting plan and/or the planting selection proposed by Preverde.

Processing: according to current assembly and processing instructions from Preverde.

PREVERDE BASE ELEMENT – FINISHING; PLANTING RAISED BORDER

The Preverde Base Element – finish; Raised border planting is a modular element within the Preverde prefab garden system, equipped with a border elevation containing plants.

The Preverde Base Element – finish; Planting raised border has the following structure:

- Preverde base element – empty
- Preverde border elevation
- Preverde stone wool cubes 3x3cm
- Preverde planting soil
- Planting

The Preverde Base Element – finish; Planting low has the following properties:

- Supplier: Preverde B.V.
- External dimension: 605x605mm
- Height: 300/450mm* (excl. Planting)

**The Preverde Base Element can be equipped with a Border Extension of 150 mm or 300 mm. This means that the total installation height is 300 mm or 450 mm respectively.*

- Structural calculation weight H300 (water-saturated): approx. 165 kg per element
- Water buffer H300: approx. 77 litres per element
- Structural calculation weight H450 (water-saturated): approx. 247 kg per element
- Water buffer H450: approx. 115 litres per element
- Surface: 0,366m²
- Border edge material: Corten steel/hardwood

The planting is tailored to the desired application, location and appearance of the design. The planting can include ground-cover plants, border planting, ornamental grasses and turf.

The exact plant species are determined on the basis of the planting plan and/or the planting selection proposed by Preverde.

Processing: according to current assembly and processing instructions from Preverde.

FINISHED WITH THE EDGE

The Preverde Edge Finishing is used to finish the edges of the Preverde prefab garden system and is carried out in accordance with the design.

The Preverde Edge Finish has the following properties:

- Supplier: Preverde B.V.
- Types: Gravel / Peridot / Cocoa shells / Peach kernels / Wood chips / Seeds

Processing: according to current assembly and processing instructions from Preverde.

BEAUTIFUL BOUNDARY FENCE

The Preverde Boundary Fence is a modular boundary fence for use within the Preverde prefab garden system. The boundary fence is designed as a fence or as a pre-vegetated hedge, in accordance with the design.

The Preverde Boundary Fence has the following properties:

- Supplier: Preverde B.V.
- Types: Fence / Pre-vegetated hedge

Implementation of pre-vegetated hedge:

- o Hibernica Hedera
- o Prunus lusitanica 'Angustifolia'
- o Yew baccata
- o Thuja occidentalis 'Brabant'

- Height: 180-200cm

Processing: according to current assembly and processing instructions from Preverde.