

# Villago Beach M

Villago



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## Villago Beach M Product Specification

Villago Beach brings the magic of the sea and the charm of tropical coasts directly to your playground. The combination of transparent Joe's Grid, robust HDPE elements, and natural bamboo panels creates an authentic beach house feeling. Children can climb into the playhouse via the access net, race down the Fast

Lane Slide, or relax in the cozy hammock under the Leaves. The numerous details such as surfboards, seahorses, and turtles invite little explorers to take an adventurous journey to the sea. Here, children can experience the beach dream every day!

# Villago Beach M

## VLM.002.001

	Product Family	<b>Villago</b>
	Length × Width × Height (m) Length × Width × Height ("")	<b>14,2 × 7,1 × 5,0</b> <b>46-7 × 23-2 × 16-2</b>
	Protective Surfacing Area acc. to DIN EN 1176 (m) Protective Surfacing Area acc. to ASTM/CSA (m) Protective Surfacing Area acc. to ASTM/CSA ("")	- <b>16,8 × 10,1</b> <b>55-2 × 33-0</b>
	Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("")	- <b>6-3</b>
	Age	<b>5-12</b>
	Minimum Space required acc. to DIN EN 1176 (m²) Minimum Space required acc. to ASTM 1487 (ft²)	- <b>1223,2</b>
	Number of Foundations	<b>5</b>
	Concrete Volume C20/C25 (m³) Concrete Volume C20/C25 (ft³)	<b>10,2</b> <b>360</b>
	Number of skilled Installers required	<b>5</b>
	Installation Time without Foundation	<b>34 hours</b>
	Dimensions of largest Part (m) Dimensions of largest Part ("")	<b>4,6 x 0,5 x 1,0</b> <b>15-2 x 1-8 x 3-4</b>
	Weight of heaviest Part (kg) Weight of heaviest Part (lbs)	<b>220</b> <b>485</b>
	Shipping Volume (m³) Shipping Volume (ft³)	<b>37</b> <b>1300</b>
	Total Weight (kg) Total Weight (lbs)	<b>6380</b> <b>14065</b>
	Spare Part Guarantee	<b>Lifelong</b>

The dimensions of the equipment and protective surfacing area have been rounded up to one decimal digit.

### Technical Data

Technical changes are reserved.  
The following text can also be used for tenders.

#### Wall Panels:

HPL laths on solid colored 19 mm (3/4") thick HDPE panels to ensure durability, deter vandalism, and to remain structurally sound for generations. The sturdy material helps to prevent cracks and breaks. Extremely UV-resistant and color-proof. All edges are rounded. Easily connected to the tube at the framework with cast aluminum tube clamps.

#### Joe's Grid:

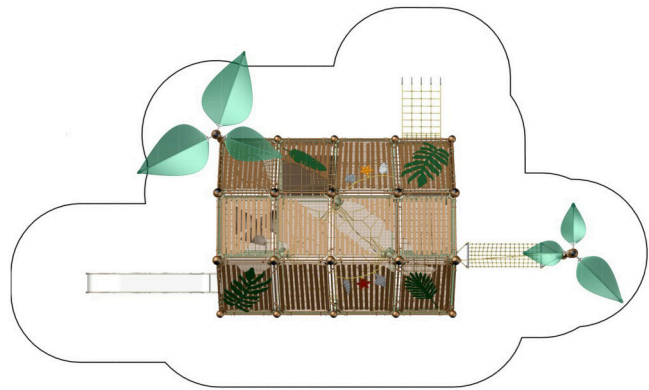
Joe's Grid are transparent grid-frames. The steel grid is mounted to a aluminum profile. The grid itself can be powder coated in any RAL-color.

#### Bamboo Panels:

Bamboo strips 90 mm (3 1/2") width, mounted to Joe's Grid or on a supporting board made from HDPE, 19 mm (3/4") thickness, rounded edges. Mounted with cast aluminum clamps to the tubes of the framework.

#### Spatial Net:

Rope crossing points are localized with durable, drop forged aluminum cloverleaf rings and aluminum-ferrules (no plastic connections). In situ-replaceable rope strands (no special tools required). Rope Ø 16 mm (5/8").



1:200

#### Inner Net:

Rope Ø 16 mm (5/8"), mesh size 300 x 300mm (11 13/16" x 11 13/16"), rope crossing points localized by durable, drop forged aluminum ballknots (no plastic) & T-Connector aluminum clamps.

#### Fast Lane Slide:

Straight box slide made of solid 19 mm (3/4") thick HDPE panels to ensure durability, deter vandalism, and to remain structurally sound for generations. The sturdy material helps to prevent cracks and breaks. Extremely UV-resistant and color-proof. All edges are rounded. The substructure is comprised of stainless steel tubes with a diameter of 60,3 mm (2 3/8"). All visible joints are covered by HDPE- or bamboo-elements. Easily connected to the tube at the framework with cast aluminum clamps.

#### Stepping Panels:

Made of solid 19 mm (3/4") thick non-skid HPL panels. Connected to the tubes of the main structure with aluminum clamps.

#### Planar Nets:

Rope Ø 16 mm (5/8"), mesh size minimum 250 x 250 mm (10" x 10") or small mesh net. Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic). Net attachment to the tubes with cast aluminum pipe clamps.



**Net Sack:**

Lying surface. Rope Ø 16 mm (5/8"). Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic).

**Rocking Plates:**

HDPE-Disks Ø 200 mm (7 7/8"), milled from 19 mm HDPE panels. The edges are rounded. Fixed to the rope Ø 16 mm (5/8") with aluminum ferrules.

**Net Labyrinth:**

Rope Ø 16 mm (5/8"), seemingly random attached ropes between upper and lower planar nets make up an obstacle course.

**Net Funnel:**

An upper and a lower planar net connected by a vertical climbing-funnel. Stepping-tiles made of non-skid HPL panel, thickness 19 mm (3/4").

**Rope Ladder:**

Rope Ø 16 mm (5/8"), black polyamide rungs: Ø 40 mm (1 1/2"), 350 mm length (1'-2").

**Hammock:**

Rope Ø 16 mm (5/8"), hammock net with mesh width approx. 100 x 100 mm (3-15/16" x 3-15/16"). With two in situ-replaceable square rungs comprised of stainless steel profile with aluminum end caps.

**Rubber Tile Ascent:**

Suspended rubber tiles, square or triangular shaped, comprised of durable, vandal-resistant conveyor belt material. Thickness approx. 9mm (3/8").

**Rubber Ramp:**

Rubber membrane comprised of durable, vandal-resistant conveyor belt material. Thickness approx. 9mm (3/8").

**Posts:**

Steel pipes Ø 108 mm (4 1/4"), wall thickness 3,6 mm (3/64") with a round cast aluminum post top. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process.

**Posts - Palm Tree:**

Steel pipes Ø 133 mm (5 1/4") Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process .

**Leaves**

Provides shade from textile membrane made of high-technology fabric mesh, printable on both sides, dirt-repellent, 100 % recyclable, resistant to UV light. Connecting directly to our Framework®- aluminum ball connectors or Terranos®- Clamp.

**Terranos®- Clamps:**

Two-part cast aluminum connecting clamps for the height-adjustable connection of rope elements or steel pipes to Terranos®- steel posts. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process.

**Tubes:**

Framework®- stainless steel tubes Ø 48,3 mm (1 29/32"), smoothed and brushed.

**Spheres:**

Framework®- aluminum ball connectors, Ø 250 and 200 mm (9 13/16" and 7 7/8"). Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process. The tensioning ball incorporates an embedded fastening system and optionally the AstemTT® net tensioning system. Securely closed with durable EPDM-caps.

**Polynode:**

The patented Polynode, a ball clamp consisting of four parts, which closes around the sloping, continuous post. It can be individually colored. The horizontal tubes are held inside the Polynode without any screw connection.

**Ropes:**

U-Rope®-round strand ropes with galvanized and covered wires. External strands with non-abrasive UV-resistant polyester-yarn (no polypropylene), Ø 16 mm (5/8")