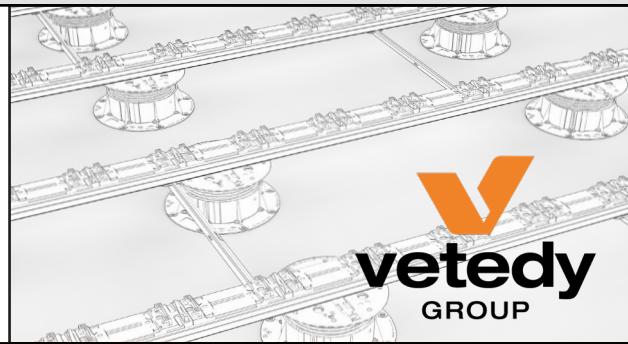


TECHNICAL SPECIFICATIONS

InfinYdeck® System - **140mm**

Decking constructed on an aluminum framework



DESCRIPTION

InfinYdeck® is an innovative wooden decking system featuring hidden fasteners on aluminum joists.

 **Patent of Ownership:** LU601851

 **Place of manufacture:** Belgium /Indonesia

 **Owner and Manufacturer:** Vetedy group

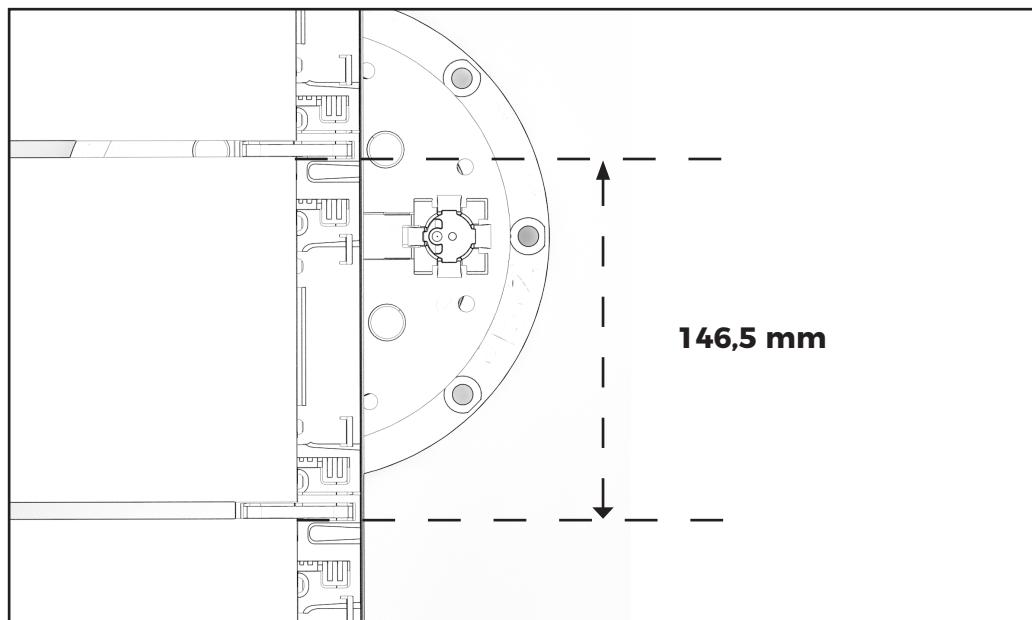
 **Design :** Luxembourg

GENERAL INFORMATION

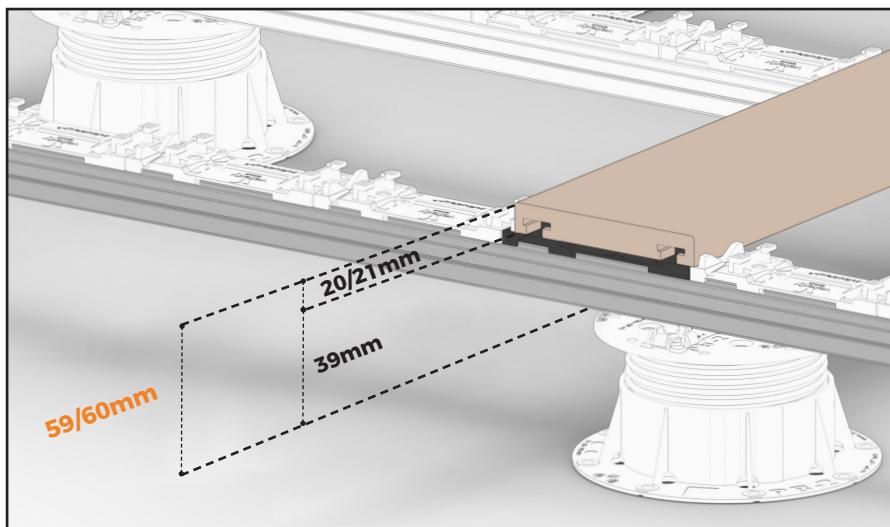
InfinYdeck ®

• Dimensions in 140mm :

- **Clips and slats (included)** = +/- 146.5mm* (dimensions based on wood at 12% moisture content. Theoretical dimensions upon delivery. Natural wood may exhibit dimensional variations.)



- **Thickness of the system and structure :**
 - **Slat thickness:** 20/21mm
 - **Joist thickness:** 39 mm
- **Combined thickness of the boards and joist system:** 59/60 mm



- **Terms of service :**
 - Application temperature:** +5 to 45 °C
 - Operating temperature:** -30 to +60°C
 - Maximum loads in private areas*:** 250 kg/m²
 - Maximum loads in public areas*:** 250 kg/m²
- **Locations of application :**
 - Installation location:** interior or exterior
 - Sectors:** private or public spaces.
 - Substructure:** exclusively on *InfinYdeck*® aluminum joists
 - System applications:** decking, fascia boards, stairs, etc
 - Geographic zone:** unrestricted
 - Marine environments permitted:** yes, subject to specific conditions (please contact us)

- **Packaging and maintenance :**
 - Packaging:** refer to packaging logistics sheet
 - Maintenance:** refer to maintenance log
 - Do not use a high pressure cleaner

■ DECKING BOARDS

Description: a solid wood board, profiled underneath to fit hidden fasteners with an *InfinYdeck®* clip.

- **Available wood species types for the *InfinYdeck®* system :**



20x140



MERBAU



MELYWOOD



KEBONY
CRYSTAL
CLEAR

20x140*



ACCOYA®
NATURAL

20x140*



ACCOYA®
GRAY

20x140*



THERMO
ASH

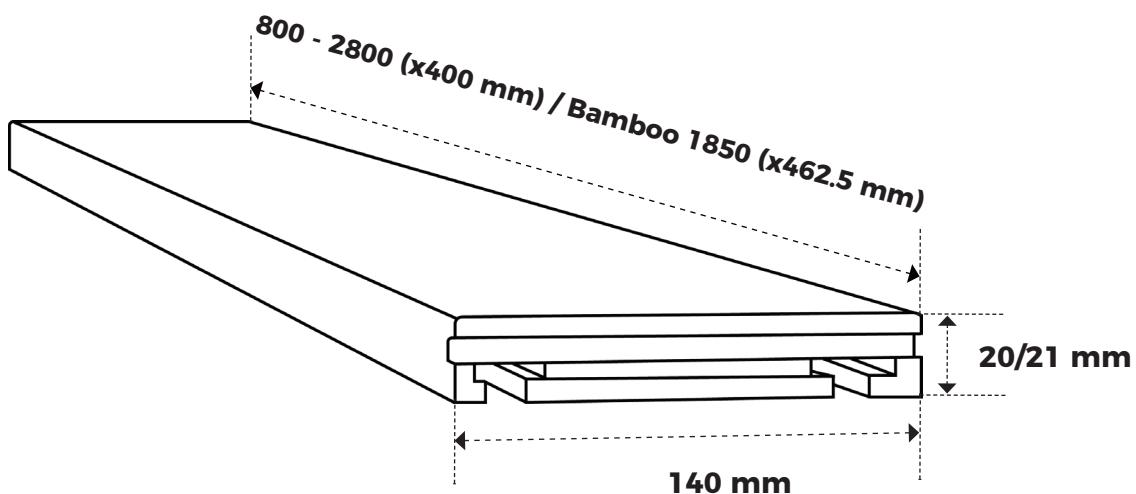
20x140*

*21 mm may be possible depending on production.

Refer to the species fact sheets for additional details regarding the technological characteristics of our chosen woods.

- **Profile/Dimensions :**

Dimension : 140 mm



*The dimensions presented in this document are theoretical nominal dimensions; actual dimensions may differ based on manufacturing tolerances.

Thickness: 20/21mm* depending on the species of wood

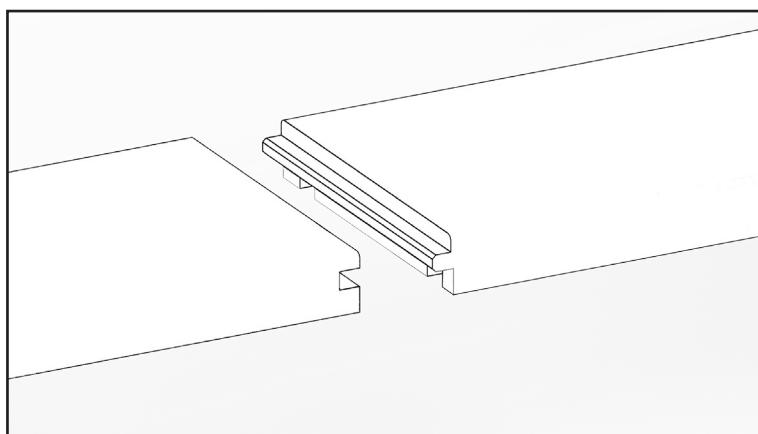
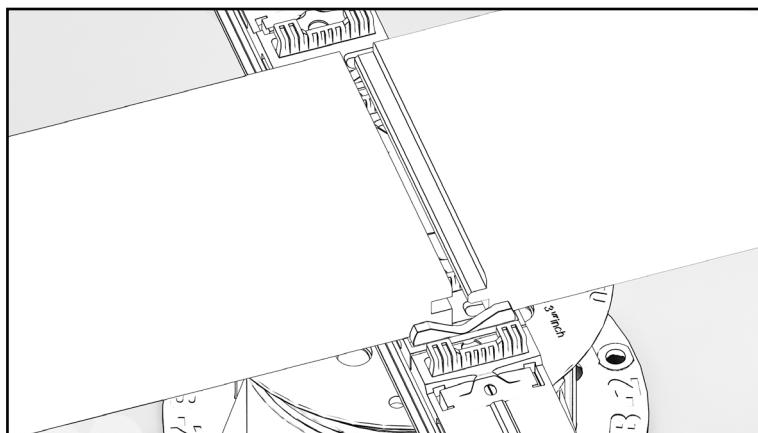
Width: 140mm*. Lengths*: 800 - 1200 - 1600 - 2000 - 2400 - 2800mm.

Sold in mixed lengths (bamboo = fixed 1850mm) and subject to availability

Profile: S4S, E2E, R2.5mm, *InfinYdeck*® grooved

Visible face: smooth, first grade

Board joining: grooves and tongues machined directly into the board



- **Consumption :**

Please note that consumption depends on the type of wood utilized.

Consumption at a 140mm axis distance of 400mm: +/- 6.82 ML per m² of decking excluding losses associated with site conditions (note: all axes at 400mm).

Consumption at a 140mm axis distance of 462.5mm: +/- 6.82 ML per m² of decking excluding losses associated with site conditions (note: all axes at 462.5mm).

Packaging: refer to packaging logistics document.

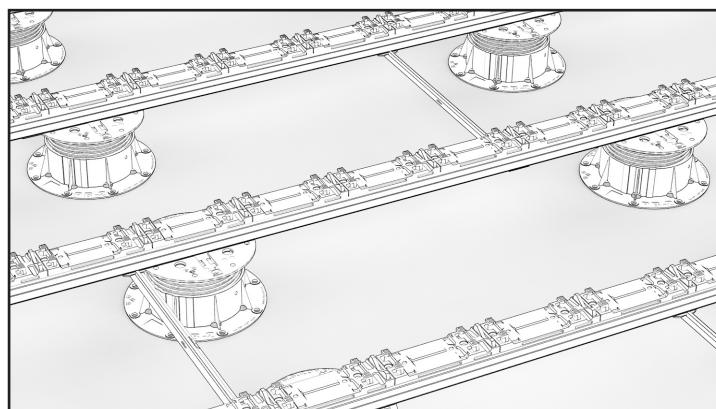
Storage: keep in a dry, clean, and well-ventilated area, shielded from light.

Inadequate storage may lead to dimensional alterations in the decking boards, as well as movement or discoloration. After opening a package and returning the boards to storage, they must be secured.

Recycling: in an appropriate sorting facility for the destruction or recovery of the boards; 100% recyclable as they require no treatment.

Restriction: *InfinYdeck*® 140mm clips are not compatible with wood species beyond those provided for this size by Vetedy Luxembourg S.A.

— JOISTS AND ATTACHMENT CLIPS



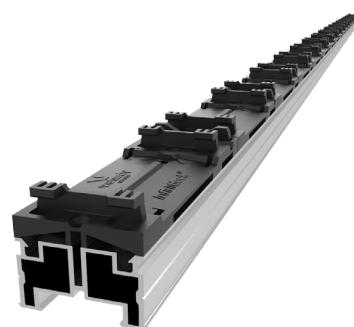
- **Description :**

Name: *InfinYdeck*® joist

Material: aluminum + composite material

Components of the *InfinYdeck*® joist:

1. One aluminum profile
2. Two joist spacer
3. 16 x 140mm mounting clips
4. One joist junction



Storage: a dry and clean location

Packaging: refer to packaging logistics document

Safety: does not pose any specific hazard under normal usage conditions.

The use of safety glasses and gloves is mandatory. There is a risk of splintering (projection of aluminum chips) when cutting the joist, which may result in debris being projected at high velocity.

Recycling: fully recyclable

1. Aluminum profile

Materials: 6063-T5 aluminum

Color: mill finish aluminum

Installation: by clipping specifically designed for use with **Buzon®** pedestals or alternatively on other pedestals screwing with flat-head screws.

Consumption: for general applications (standard and optimal area), allocate 2.5 linear meters per square meter based on the dimensions of the slats (excluding waste, finishing, and site-specific conditions).

Theoretical dimensions:

- **Length:** 2339mm
- **Width:** 50mm
- **Height:** 30mm

Physical attributes:

- **Rigidity:** high
- **Durability:** high
- **Abrasion Resistance:** high
- **Thermal Resistance:** high
- **UV Resistance:** high



2. Clips InfinYdeck®

Materials: mix of thermopolyamides and differents composite materials

Color: black

Fixing: the clips are embossed into the joist. They can be removed and secured in place using minimum A2 stainless steel 4x22mm, for specific applications or finishing.

Packaging: 20 pieces per box



Clip consumption (140mm): minimum of +/- 16 pcs/m² minimum for general decking boards, excluding losses attributable to site conditions.

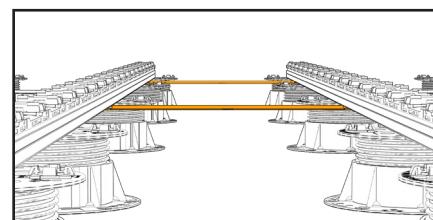
Physical attributes:

- **Rigidity:** elevated at the fixing connectors, flexible overall
- **Durability:** high
- **Abrasion resistance:** high
- **Thermal resistance:** high
- **UV resistance:** high

• **Accessories :**

1. Joist spacer 400 :

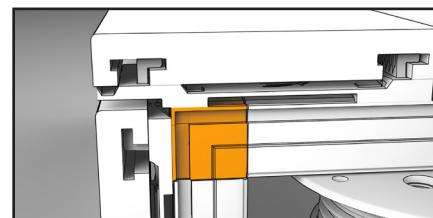
- **Type:** joist spacer 400
- **Material:** mix of thermopolyamides and differents composite materials
- **Packaging:** 20 units per box



2. 45-Degree angle connector :

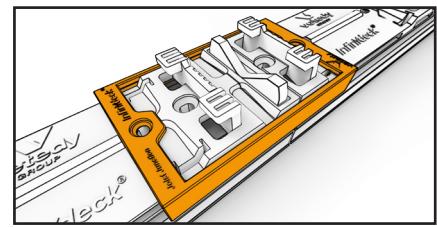
connection to be established between two joists at a 90° angle in differing planes (horizontal to vertical downward).

- **Type:** connector 45°-Trim
- **Material:** mix of thermopolyamides and differents composite materials
- **Packaging:** 40 units per box



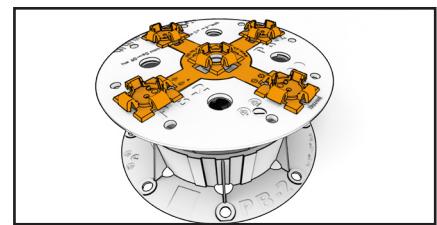
3. Joist junction : *maintaining linear continuity*

- **Type:** joist junction
- **Material:** mix of thermopolyamides and different composite materials
- **Packaging:** 24 units per box



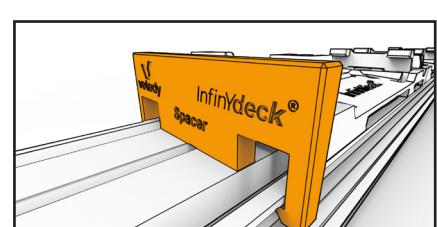
4. PB-KIT-2 : *Pedestal connection*

- **Type:** exclusively for **Buzon®** pedestal
- **Material:** polypropylene copolymer (CPP)
- **Packaging:** 120 units per box



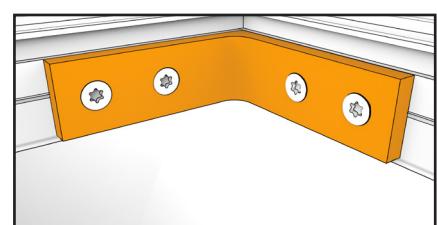
5. Replacement / finishing spacer :

- **Type:** spacer
- **Material:** mix of thermopolyamides and different composite materials
- **Packaging:** 120 units per bag



6. Corner bracket : a screw-together connection between two joists at a 90° angle within the same horizontal plane.

- **Type:** EQ 90
- **Material:** mill finish 6060 aluminum
- **Packaging:** 50 units per box



7. Screws : *self-drilling screws for assembly, clips, and assorted accessories.*

- **Type:** V22 IT
- **Size:** 4.2 x 22 mm
- **Material:** A2 stainless steel
- **Packaging:** 200 units per box



N.B: All information presented in this technical sheet is theoretical and non-binding.