

INSTALLATION MANUAL

LENTA WOOD COMPOSITE



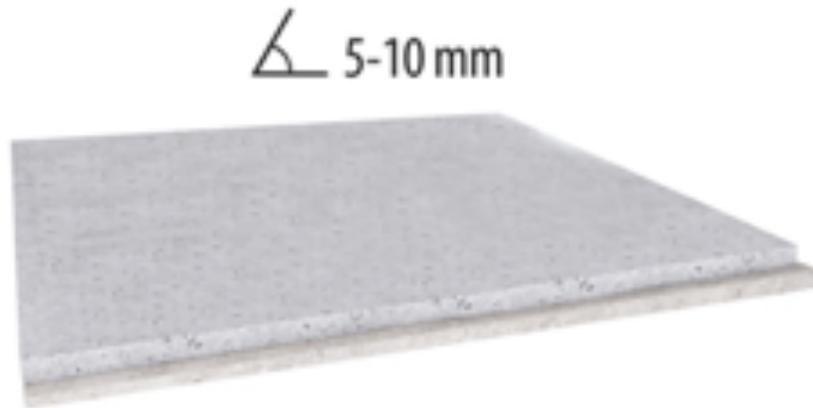
 **Lenta**[®]
WOOD COMPOSITE



Standard woodworking tools can be used to install the Lenta system components.

1. Substrate preparation

The screed should be even and stable, contain waterproofing and a slope appropriate for the surface ensuring water drainage (5-10mm). Permissible temperatures for installation + 1 ° C, after prior acclimatization of the boards (24h).



2. Preparation of the substructure

Joists should be placed parallel, spaced 40 cm apart from their edges, and keep a 5 mm expansion gap between the wall and the joist. Joists should be fixed with dowels, the anchoring distance should not exceed 50 cm. In places where boards are joined, it is necessary to remember about the necessity to use joists under both ends, and at the edges, extend them so that they constitute an element fixing the strip.



3. Installation of terrace boards

The boards are mounted to the joist substructure with the LD-1 and LD-2 clips and screws. We start assembling the boards by screwing the LD-1 starter clips on each joist. The next boards are mounted after the boards are properly pressed into the previously screwed LD-2 mounting clip. The last board is screwed on with a screw mounted at an angle.



4. Finishing of the Lenta terrace system

To finish the system, the LD7010 strip is used, which is attached to the joist substructure with 3.5 x 50 screws at 50 cm intervals.



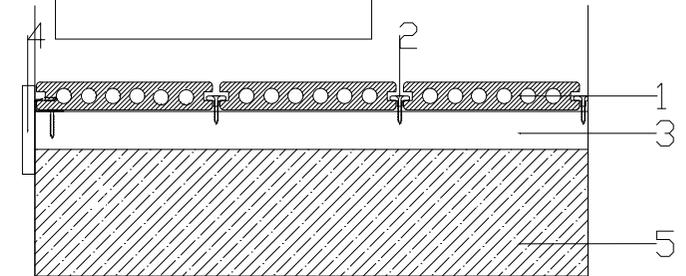
The Lenta terrace system for use on concrete
LENTA WOOD COMPOSITE



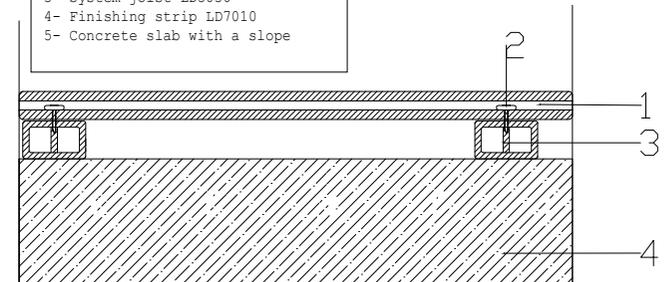
5. System cross-sections



DESCRIPTION:
1- Terrace board LD14022
2- Mounting clip LD2
3- System joist LD5030
4- Finishing strip LD7010
5- Concrete slab with a slope



DESCRIPTION:
1- Terrace board LD14022
2- Mounting clip LD2
3- System joist LD5030
4- Finishing strip LD7010
5- Concrete slab with a slope

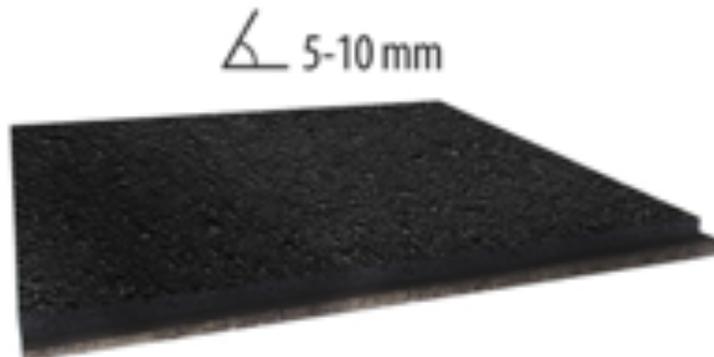




Standard woodworking tools can be used to install the Lenta system components.

1. Substrate preparation

The substrate should be even and stable, contain waterproofing and a slope appropriate for the surface ensuring water drainage (5-10mm). Permissible temperatures for installation + 1 °C, after prior acclimatization of the boards (24h).



2. Preparation of a substructure of Lenta aluminum joists

Begin the preparation of the substrate by placing the adjustable supports on the concrete slab, the distance between them should not exceed 100 cm. The joists should be placed parallel, spaced 40 cm apart from their edges, to ensure proper support for the boards and to maintain 5 mm expansion gaps between the wall and the joist. In places where the boards are joined, remember to use a joist under both ends, and at the edges, extend it so that it is an element fixing the batten.





3. Installation of composite boards

The boards are mounted to the joist substructure with the LD-1 and LD-2 clips and with the use of self-drilling screws. We start assembling the boards by screwing the LD-1 starter clips on each joist. The next boards are mounted after pressing them into the previously screwed LD-2 mounting clip. The last board is screwed on with a screw mounted at an angle.



4. Finishing of the Lenta terrace system

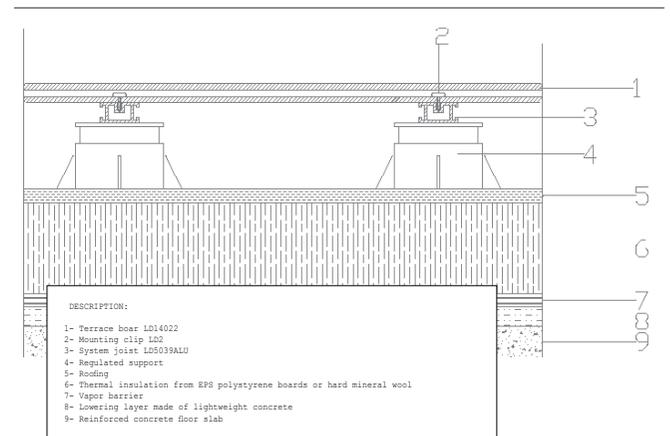
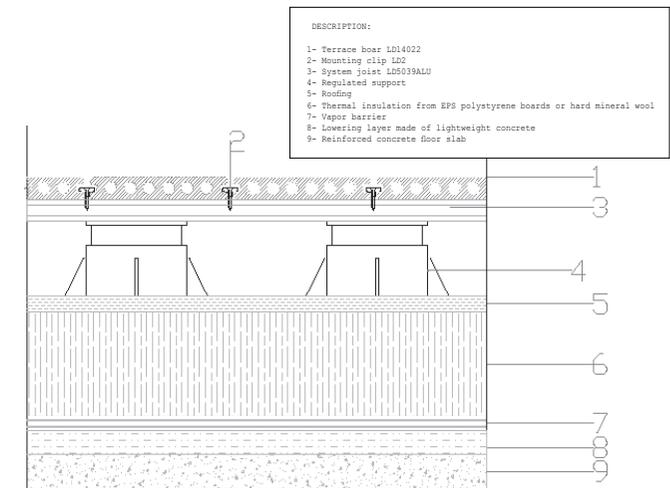
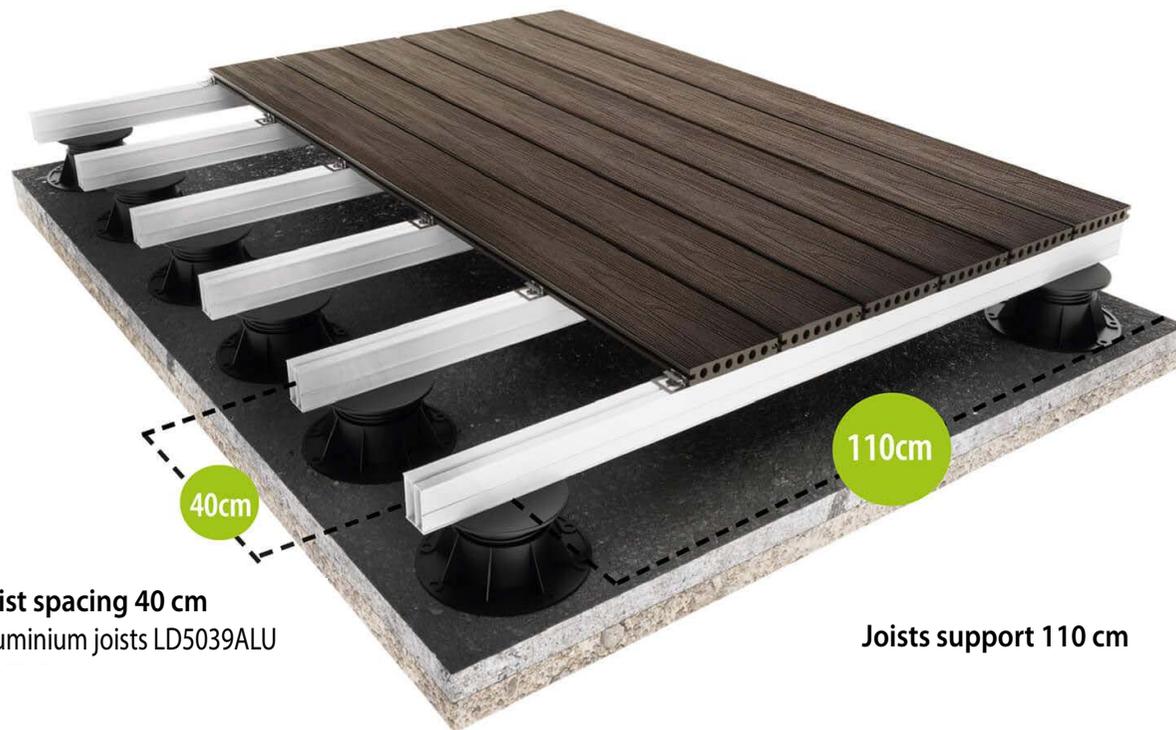
To finish the system, the LD7010 list is used, which is attached to the joist substructure with 3.5 x 50 screws at 50 cm intervals.



Lenta terrace system for use on adjustable supports on an inverted roof
LENTA WOOD COMPOSITE



5. System cross-sections





Standard woodworking tools can be used to install the Lenta system components.

1. Substrate preparation

The screed should be even and stable, contain waterproofing and a slope appropriate for the surface ensuring water drainage (5-10mm). Permissible temperatures for installation + 1 °C, after prior acclimatization of the boards (24h).

 5-10 mm



2. Preparation of a substructure of Lenta aluminium joists

Begin the preparation of the substrate by placing the adjustable supports on the concrete slab, the distance between them should not exceed 100 cm. The joists should be placed parallel, spaced 40 cm apart from their edges, to ensure proper support for the boards and to maintain 5 mm expansion gaps between the wall and the joist. In places where the boards are joined, remember to use a joist under both ends, and at the edges, extend it so that it is an element fixing the batten.

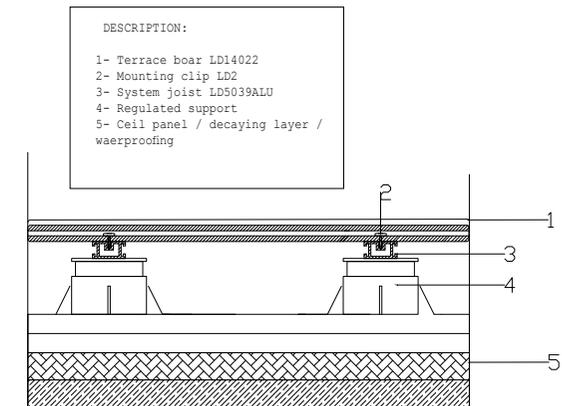
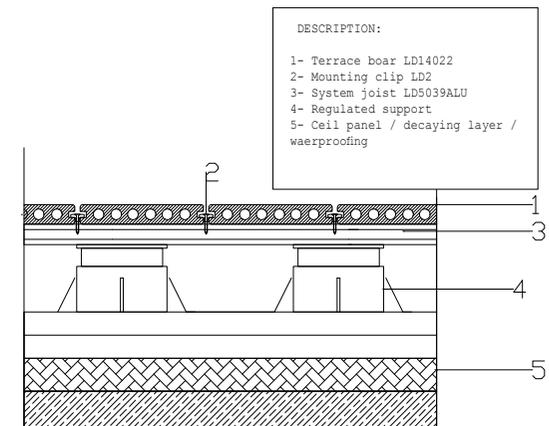




3. Assembly and finishing

Installation and finishing similar to the Lenta terrace system for use on adjustable brackets on an inverted roof. (page 6-7)

4. System cross-sections

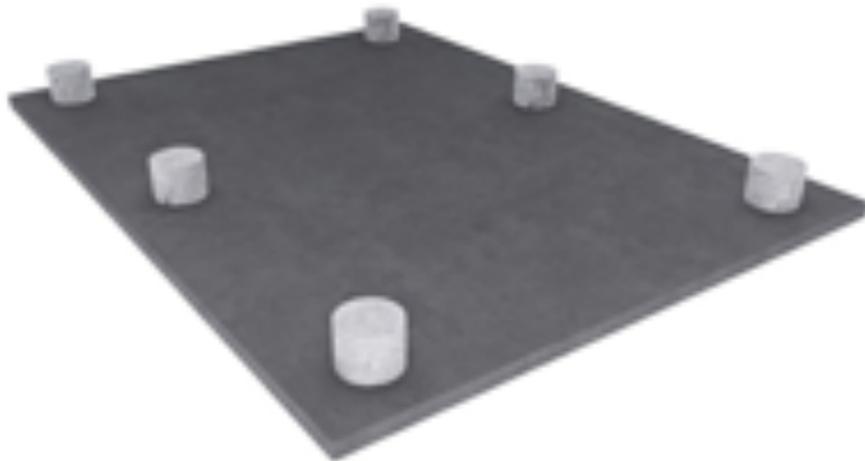




Standard woodworking tools can be used to install the Lenta system components.

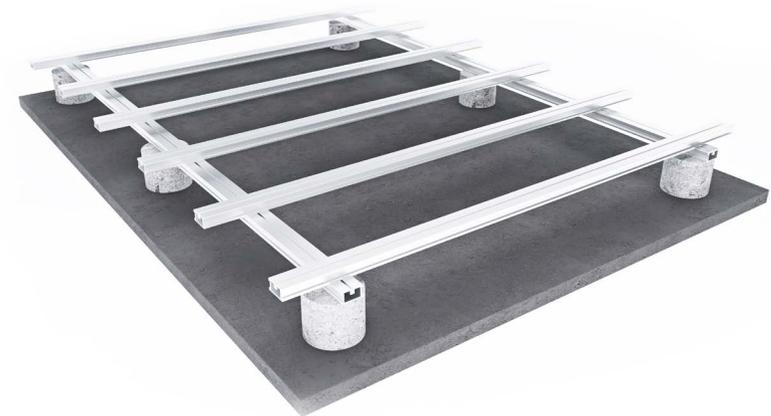
1. Substrate preparation

Making a hole in the ground to the frost zone for a given region, the depth of the excavation varies. Pouring concrete previously inserted cardboard tube and reinforcement. Permissible temperatures for mounting +1, after prior acclimatization of the boards (24h).



2. Preparation of a substructure of Lenta aluminium joists

The joists should be arranged in a cross pattern: the first on the previously prepared concrete columns, parallel to each other, spaced every 100 cm, the second perpendicular to the joists on which they are placed at a spacing of 40 cm under the board, with a 5 mm expansion gap between the wall and the joist. The substructure should be twisted. In places where the boards are joined, remember to put the joists under both ends of the board, and slide them out on the edges so that they constitute an element fixing the strip.



The Lenta terrace system for use on a point foundation
LENTA WOOD COMPOSITE



3. Installation of terrace boards

The boards are mounted to the joist substructure with the LD-1 and LD-2 clips and screws. We start assembling the boards by screwing the LD-1 starter clips on each joist. The next boards are mounted after the boards are properly pressed into the previously screwed LD-2 mounting clip. The last board is screwed on with a screw mounted at an angle.



4. Finishing of the Lenta terrace system

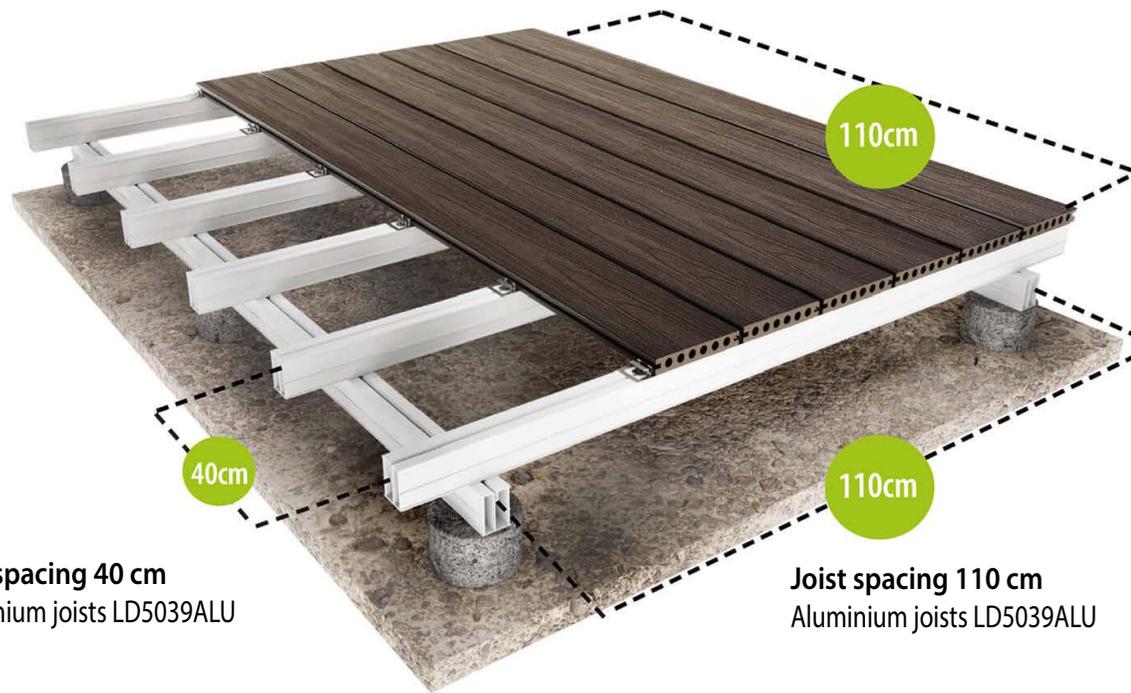
To finish the system, the LD7010 list is used, which is attached to the joist substructure with 3.5 x 50 screws at 50 cm intervals.



The Lenta terrace system for use on a point foundation
LENTA WOOD COMPOSITE

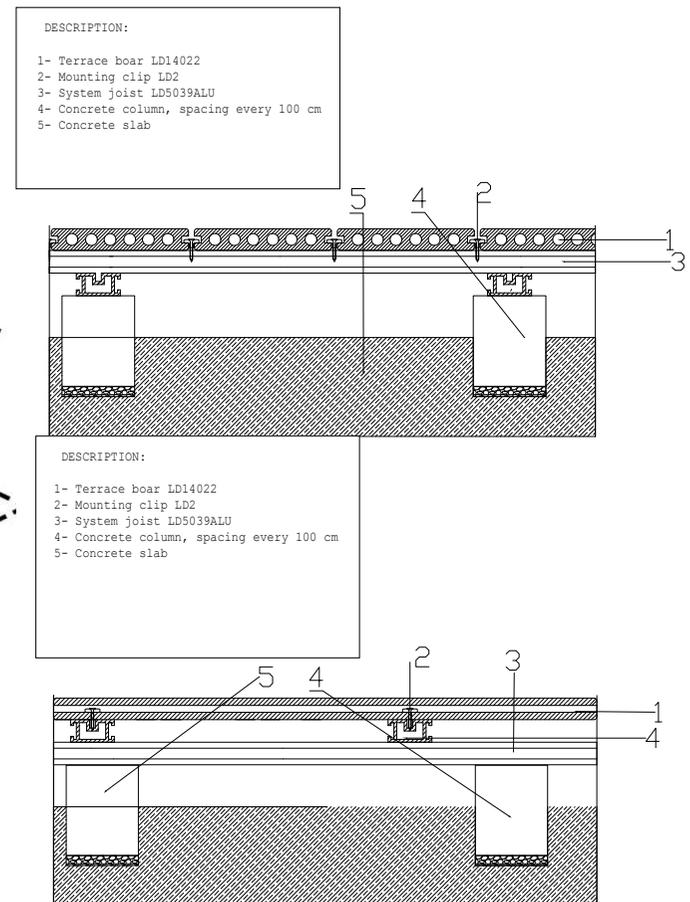


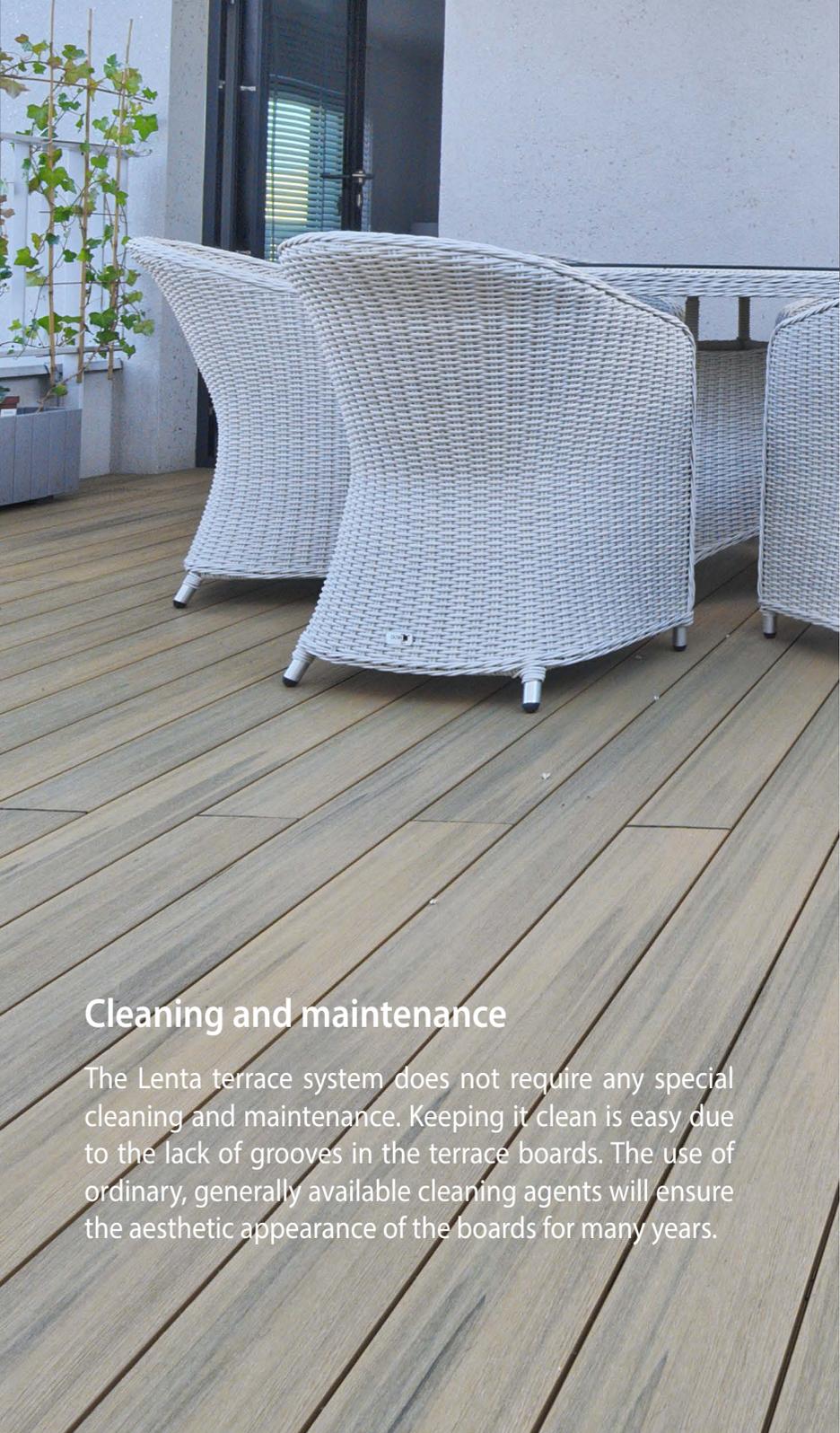
5. System cross-sections



Joist spacing 40 cm
 Aluminium joists LD5039ALU

Joist spacing 110 cm
 Aluminium joists LD5039ALU





Cleaning and maintenance

The Lenta terrace system does not require any special cleaning and maintenance. Keeping it clean is easy due to the lack of grooves in the terrace boards. The use of ordinary, generally available cleaning agents will ensure the aesthetic appearance of the boards for many years.

Federacja Stowarzyszeń Naukowo-Technicznych
 Naczelna Organizacja Techniczna
 ORGANIZATOR
Konkursu im. Stanisława Staszica na najlepsze produkty innowacyjne „Laur Innowacyjności 2018”

PATRONAT HONOROWY

WYRÓŻNIENIE
 dla
CRC s.c. Ciesielski, Ciesielski
 za projekt
Innowacyjne deski kompozytowe 2 generacji

ZESPÓŁ USŁUG TECHNICZNYCH RADY STOLECZNEJ NOT S.A.

 mgr Ewa Mańkiewicz-Cuday
 Przewodnicząca Rady Stolecznej NOT S.A.
 Warszawa, listopad 2018 r.

Certificates and approvals

LENTA WOOD COMPOSITE

DEKLARACJA WŁAŚCIWOŚCI UŻYTKOWYCH

Nr 01/2019

- Niepowtarzalny kod identyfikacji typu wyrobu: LENTA LD14022; PN-EN 15534-4
- Zamierzone zastosowanie: Tarasy, balkony i pomosty
- Producent: Lentadeck
- Upoważniony przedstawiciel: CRC s.c. Legionów 107D/1, 81-472 Gdynia
- Niniejsza deklaracja właściwości użytkowych dotyczy wyrobu objętego normą: PN-EN 15534-4:2014-04 „Kompozyty wytwarzane z materiałów na bazie celulozy i tworzyw termoplastycznych (powszechnie zwane kompozytami polimero-drzewnymi WPC lub kompozytami z włókna naturalnym NFC)”.
- Badania przeprowadziło: Wood Technology Institute ul. Winiarska 1, 60-654 Poznań, Poland sprawozdanie z badań nr U-042.BDZ/2019
- Deklaracja właściwości:

Stosowanie do zlecenia oraz wymogów normy **PN-EN 15534-4:2014** „Kompozyty wytwarzane z materiałów na bazie celulozy i tworzyw termoplastycznych (powszechnie zwane kompozytami polimero-drzewnymi (WPC) lub kompozytami z włókna naturalnym (NFC)) – Część 4: Specyfikacja profili podłogowych i płyt” zbadano:

- skłóskość (podatność na poślizg) według normy **PN-EN 15534-1+A1:2017** „Kompozyty wytwarzane z materiałów na bazie celulozy i tworzyw termoplastycznych (powszechnie zwane kompozytami polimero-drzewnymi (WPC) lub kompozytami z włókna naturalnym (NFC)) – Część 1: Metody badań przeznaczonych do charakteryzowania materiałów i wyrobów” pkt. 6.4.2 i **CEN/TS 15676:2007** „Wood flooring – Slip resistance – Pradulum test”;
- odporność na uderzenie ciałem twardym według normy **PN-EN 15534-1+A1:2017** pkt. 7.1 i **PN-EN 477:1997** „Kształtki z nieplastycznego polichlorku winylu (PVC-U) do produkcji okien i drzwi – Określenie odporności krzywoliniowych głowic na uderzenie spadających ciężarka”;
- nośność, wytrzymałość i moduł sprężystości przy zginaniu statycznym według normy **PN-EN 15534-1+A1:2017** pkt. 7.3;
- liniowy współczynnik rozszerzalności termicznej według normy **PN-EN 15534-1+A1:2017** pkt. 9.2 i **ISO 11359-2** „Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature”;
- twardość według normy **PN-EN 1533:2011** „Nalogi drewniane – Ocena twardości na zginanie pod obciążeniem statycznym – Metoda badania”.

ul. Gurwałdka 63, 84-230 Rumia
 +48 58 370 12 00 | info@lenta.com | www.lenta.com

NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
 - Państwowy Zakład Higieny
Zakład Bezpieczeństwa Żywności i Żywności

ATEST HIGIENICZNY BK/B.0132/01/2018
 HYGIENIC CERTIFICATE

INSTITUTE OF PUBLIC HEALTH – NATIONAL INSTITUTE OF HYGIENE
DESKA TARASOWA, LEGAR SYSTEMOWY

między drzewną, politylen, dodatk
 o zewnętrznych zastosowań w budownictwie na tarasy i ogrodzenia itp.

ten produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków namier produktu is acceptable according to hygienic criteria with the following conditions: wyroby należy stosować zgodnie z instrukcją instalacji, zwracając szczególną uwagę na warunki charakterystyki wyrobu, zgodnie z obowiązującymi przepisami prawnymi. Wybrać przechowywać ściągany dla siebie.

Atest higieniczny na dot. parametrów technicznych, wartości użytkowych i oceny właściwości alergizujących wyrobu / Hygienic certificate does not apply to technical parameters, utility values and allergenic properties of the product
 Wytwórca / producer: CRC S.C. Ciesielski, Ciesielska 81-472 Gdynia ul. Legionów 107D/1
 Niniejszy dokument wydano na wniosek / This certificate issued for: CRC S.C. Ciesielski, Ciesielska 81-472 Gdynia ul. Legionów 107D/1
 Atest może być zmieniony lub unieważniony po przekazaniu atestowych dowodów przez Międzynarodowe Stowarzyszenie, Niniejszy atest jest ważny do 2023-05-25 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu. The certificate may be corrected or cancelled after appropriate notification. The certificate loses its validity after 2023-05-25 or in the case of changes in composition or in technology of production.
 Data wydania atestu higienicznego: 25 maja 2018 / The date of issue of the certificate: 25th May 2018
 Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygienic certificate: Zakład Bezpieczeństwa Żywności i Żywności (Department of Food Safety and Food Hygiene) 00-791 Warszawa, ul. Chałubińskiego 24, 100-791 Warszawa, Chłopińska 24, Polska e-mail: san-w@pih.gov.pl, tel: +48 22 662 50 04, +48 22 662 50 05, fax: +48 22 662 50 27