Deck // Fencing // Privacy screen

torro TIMBER®
MADE IN GERMANY

A material as diverse as nature itself ...

Composite Compact German

www.torrotimber.com/en

Not simply a material, just simply amazing.

What it is and what it can do:

// Material with high wood content – no PVC
// Resistant surface
// Coloured material
// Natural colour development
// Solid products – no hollow section
// Amazingly thin – highly resilient
// Pleasant barefoot feeling – excellent surefootedness
// Low brittleness, does not splinter
// Suitable for toys according to EN 71-3
// Simple processing just like wood
// Systematic laying

Composite Compact German

In using **GCC (German Compact Composite)**, a wood-polymer material has been developed that is a true all-rounder. The composite primarily consists of **75% wood fibres** that undergo a patented process in order to supplement them with environmentally-friendly additives and polymers. The **„Made in Germany“** material is **free from PVC** and is highly versatile. Thanks to their high resilience and low thermal expansions, GCC products always remain in top shape. As our material is wood-based, natural processes change the colour and feel over time. We deliberately refrain from chemical sealing and, instead, rely on the ability of the natural product to protect itself. Over 15 years of experience and development speak for the material; we don't make any promises we can't keep!

POWOLIT

Hard shell, many cores. **POWOLIT** is a sub-type of GCC and combines the best of three worlds. In addition to wood and polymers, POWOLIT is additionally enriched with a **mineral granulate** in order to create a harder surface. This harder surface makes the material even **stronger and more resistant to stains and stress** than conventional wood materials. POWOLIT is a natural, changing material. The colours of the products will become lighter over the course of time and obtain visually appealing accents.

We are committed to sustainability

Giving nature a future rather than just taking from it. **Sustainability** is a major topic and extremely important to us when manufacturing our innovative material. We reflect on the **natural cycle** and only use wood that **entirely comes from sustainable, domestic forests** in order to manufacture our products. Our products are also recyclable: Old torroTimber® boards are given a new lease of life by being recycled in the production process.

Simply decide.
Plan simply.

Tailor-made for outdoor areas

Transform your garden area into a place of well-being with durable, easy-to-maintain and unique products. With the aid of the catalogue and the online planner, you can find suitable products and materials for your project and quickly and easily plan the implementation of it.
Our range of boards, privacy screens and fences boasts a series of shades, structures with a wood appearance as well as the most diverse formats meaning that you can design your outdoor area completely in accordance with your demands and personal taste.

Simply plan online: **planner.torrotimber.com/en**

Allow dreams to come true. Simply design your outdoor area from the comfort of your own home. Whether to visualise initial ideas or to implement concrete plans, a few clicks is all it takes to learn what material you need and obtain respective plans and assembly instructions.

Please use the following link to discover where you can purchase torroTimber® as well as the accessories.
www.torrotimber.com/en/stockists

No more splinter worries!

torro TIMBER®
MADE IN GERMANY

Dolomit 16

16 mm thick deck board,
in two colours, 193 x 3000, 4000 or 5000 mm,
gap width 5 mm

XL extra wide

multicoloured

narrow 5 mm gap

anti-slip R10

The figure illustrates the torroTimber® Dolomit16 product in brown

After laying

After 1-2 months*

After 6-8 months*

Brown Grey

* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The extra wide deck board with a vivid interplay of colours and wood character

Do you appreciate the visual appearance of wood and the unique colour gradient that the natural product is able to provide? Then our Dolomit16 board in brown or grey is the right choice for you! The structured, polished surface as well as the gentle interplay of colours ensure a harmonious concept. Introduce a wood character to your deck and beneath your feet.

// Surface: Structured with colour gradient and polished
// Can be laid on one side
// Gap width: 5 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// High surface hardness
// Material: **GCC**

Great feel. Smart look!

torro TIMBER®
MADE IN GERMANY

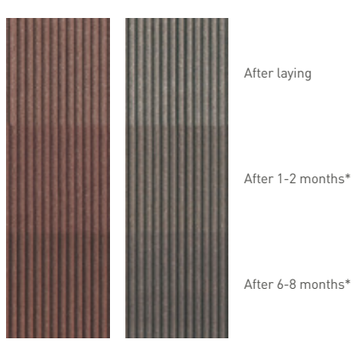
Glacier 16

16 mm thick deck board,
in two colours, 193 x 3000 or 4000 mm,
gap width 8 mm

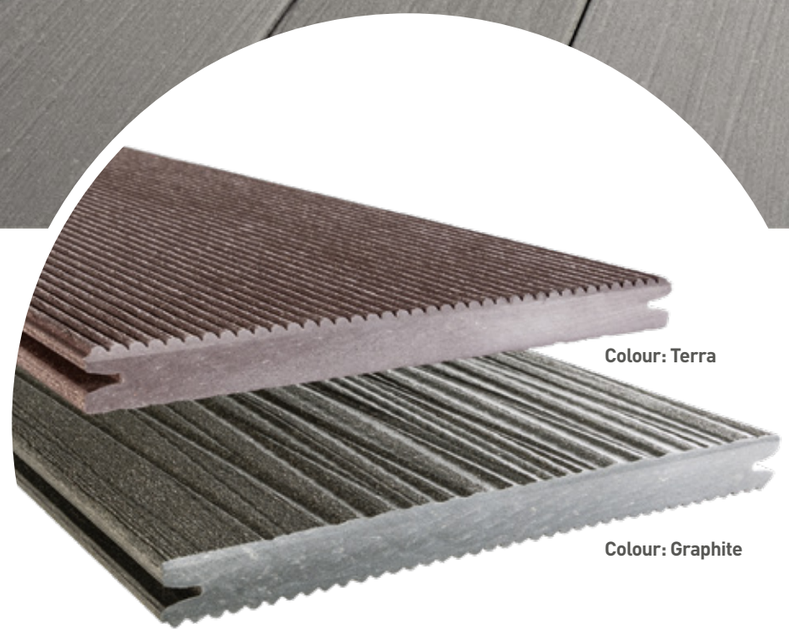
XL extra wide

anti-slip R10

The figure illustrates the torroTimber® Glacier16 product in graphite



* The figures illustrate an example of the colours available for delivery and their natural colour maturation process



The extra wide deck board with wooden character or finely corrugated design

Boards from the Glacier range are characterised by the mix of two varying sides. As it can be laid on both sides, the Glacier16 board boasts a finely corrugated surface on one side and a surface with wood character on the other. Randomly placed, curved structures give the surface a visual dynamic. The extra wide deck boards are available for purchase in terra and graphite and are a real eye-catcher as well!

// Surface: Finely corrugated or structured
// Can be laid on both sides
// Gap width: 8 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// High surface hardness
// Material: **GCC**

A wow factor every single day!

torro TIMBER®
MADE IN GERMANY

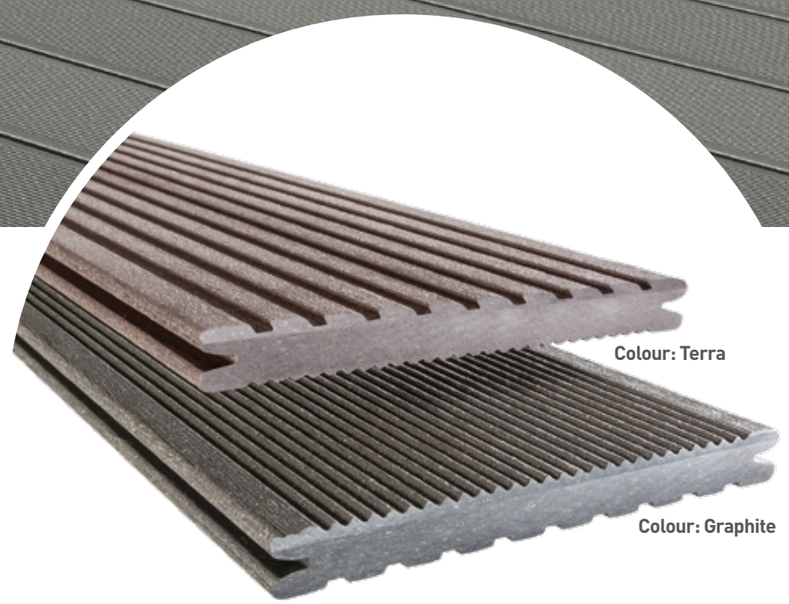
Trend 16

16 mm thick deck board,
in two colours, 163 x 3000 or 4000 mm,
gap width 8 mm

XL extra wide

anti-slip R12

The figure illustrates the torroTimber® Trend16 product in graphite



After laying

After 1-2 months*

After 6-8 months*

Terra Graphite

* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The wide deck board in grooved or finely corrugated design

One board, plenty of options. Thanks to its modern characteristics, our wide Trend16 wide deck board more than lives up to its name. It can be laid on both sides and is available in the covered terra and graphite colours. Finely corrugated on one side and grooved on the other. Irrespective of your decision, you will enjoy looking at the robust surface for a long time to come.

// Surface: Finely corrugated or grooved
// Can be laid on both sides
// Gap width: 8 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// High surface hardness
// Material: **GCC**

Resilient. Modern. Extra strong!

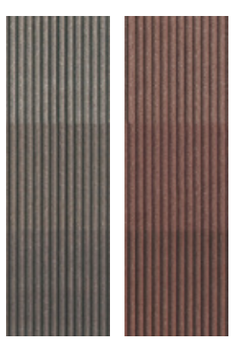
torro TIMBER®
MADE IN GERMANY

Trend 19

19 mm thick deck board,
in two colours, 130 x 3000 or 4000 mm,
gap width 8 mm

anti-slip R12

The figure illustrates the torroTimber® Trend19 product in terra



Graphite Terra

* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The narrow deck board in grooved or finely corrugated design.

With a thickness of 19 mm, our Trend19 board is a really tough cookie. The board has two different sides. One side boasts a fine corrugated design and the other side is grooved. Both sides can be laid in terra or graphite. By installing the colour resistant and anti-slip boards, you can upgrade your outdoor leisure time in a modern and safe manner.

// Surface: Finely corrugated or grooved
// Can be laid on both sides
// Gap width: 8 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// High surface hardness
// Material: **GCC**

Classic appearance, new advantages!

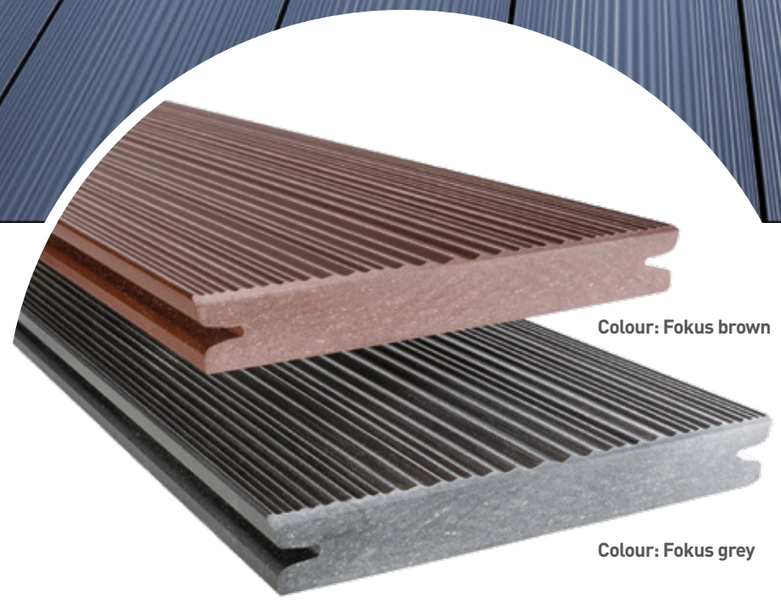
torro TIMBER®
MADE IN GERMANY

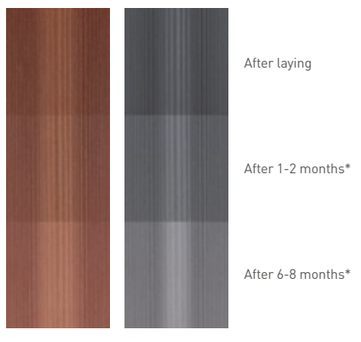
Dolomit 19

19 mm thick deck board,
in two colours, 145 x 3000 or 4000 mm,
gap width 5 mm

multicoloured | easier to maintain | anti-slip R10 | narrow 5 mm gap | flame retardant Cfl-s1

The figure illustrates the torroTimber® Dolomit19 product in Fokus grey





* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

Fokus brown | Fokus grey

The classic deck board with natural colour gradient and sealed surface

The Dolomit19: Classic, premium and robust.
The board with a corrugated, matt surface is available in either Fokus brown or Fokus grey. The utilised POWOLIT material strengthens the board surface. It is sealed, easier to maintain and flame retardant. The structure and natural colour gradient turns your deck into a pleasant oasis full of comfort.

// Surface: waved with colour gradient and matted
// Can be laid on one side
// Gap width: 5 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// Extremely high surface hardness
// Material: **GCC - POWOLIT**

The tough lightweight!

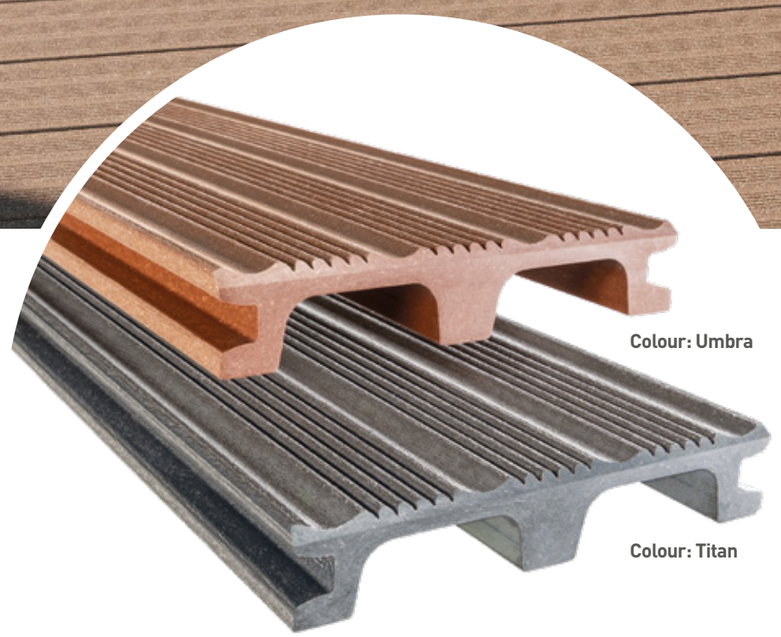
torro TIMBER®
MADE IN GERMANY

Trend 25

25 mm thick deck board,
in two colours, 138 x 3000 or 4000 mm,
gap width 8 mm

anti-slip R12

The figure illustrates the torroTimber® Trend25 product in umbra



* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The extra light deck board in a strong format and light design

The Trend25 board is the lightweight of our product range. The unique selling point of this product is the material recesses that are utilised in order to reduce weight. However, this does not make the Trend25 a weakling! The board surface is partially corrugated and available in the warm natural umbra and titan tones. Create a pleasant atmosphere in your outdoor area.

// Surface: Partially corrugated
// Can be laid on one side
// Gap width: 8 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// High surface hardness
// Material: **GCC**

A panel with format!

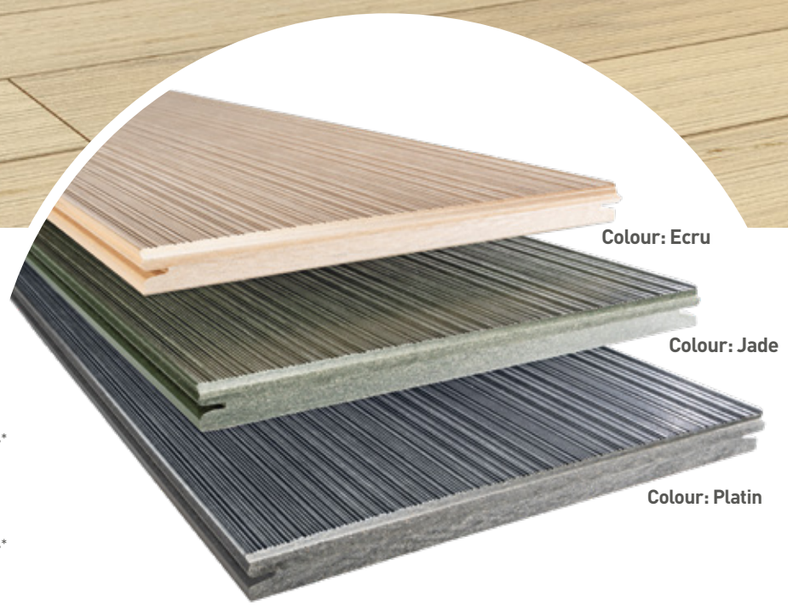
torro TIMBER®
MADE IN GERMANY

Dolomit 19

Floor panel, 19 mm thick,
in three colours, 245 x 1995 mm,
gap width 5 mm

XXL extra wide
droved surface
easier to maintain
anti-slip R10
narrow 5 mm gap
flame retardant C fl-s1

The figure illustrates the torroTimber® Dolomit19 product in ecru



* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The artistically droved surface in panel format for decks full of character

The Dolomit19 floor panel is produced in an imposing format using the POWOLIT material. Thanks to the unique combined characteristics of wood and stone granules, the deck floor is stylish in terms of its appearance whilst also being robust in terms of its substance. A droved, matted surface gives the panels that certain something. No more obstacles in achieving a deck that boasts a strong character whilst also being easy to maintain.

// Surface: Droved and matted
// Can be laid on one side
// Gap width: 5 mm (± 0.5 mm)
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// Extremely high surface hardness
// Material: **GCC - POWOLIT**

Brings light into the darkness!

torroTIMBER® MADE IN GERMANY

Light System

LED spot set, IP67 lighting
Ø 34 mm (0.25 W) or Ø 60 mm (0.5 W)

The figure illustrates the torroTimber® Dolomit16 product in brown

Item overview

LED mini spot
Ø 34 mm (0.25 W)
10 lumen

LED maxi spot
Ø 60 mm (0.50 W)
28 lumen

Radio control
with remote control

30 W power supply

2-way distributor

4-way distributor

1/3/6 m extension

The dimmable LED spots in a pleasant warm light tone

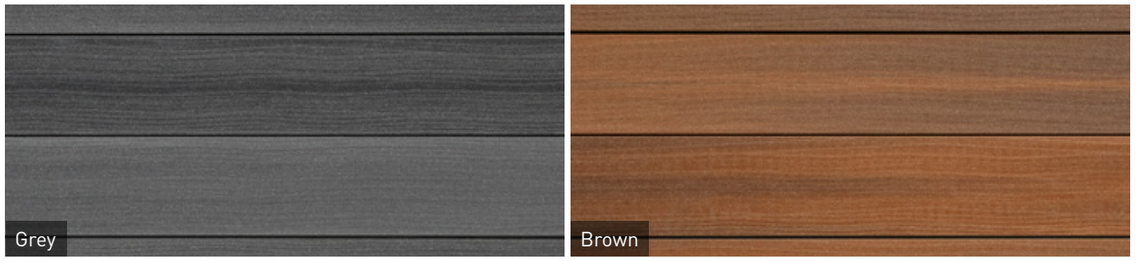
The warm light emitted by the torroTimber® spots immerses your deck in a wonderful atmosphere. Whether spending mild evenings together with friends or enjoying a romantic dinner on your deck: torroTimber® light system charmingly emphasises these valuable moments. The LED lighting allows decks of all sizes to be upgraded with lights. Make use of your deck, no matter what the time of day!

// 24 Volt DC IP67
// Easy to assemble
// Dimmable via remote control
// Can be greatly expanded for radio control
// Can be individually controlled
// Scope of use: Private and commercial
// Material: **Stainless steel spots**

Board overview

The torroTimber® boards and floor panels surprise you time and time again – like nature –. The warm muted colours generate a unique feel-good factor and the versatile structures bring a liveliness and authentic details to your deck. The natural and sustainable wood ingrediants are resistant and strong when exposed to to external influences, thus enhancing your outdoor area for a long time to come, until it can be provided with a new lease of life if it is returned to the production process for recycling.

Dolomit 16 Deck board



structured and polished

Glacier 16 Deck board

finely corrugated

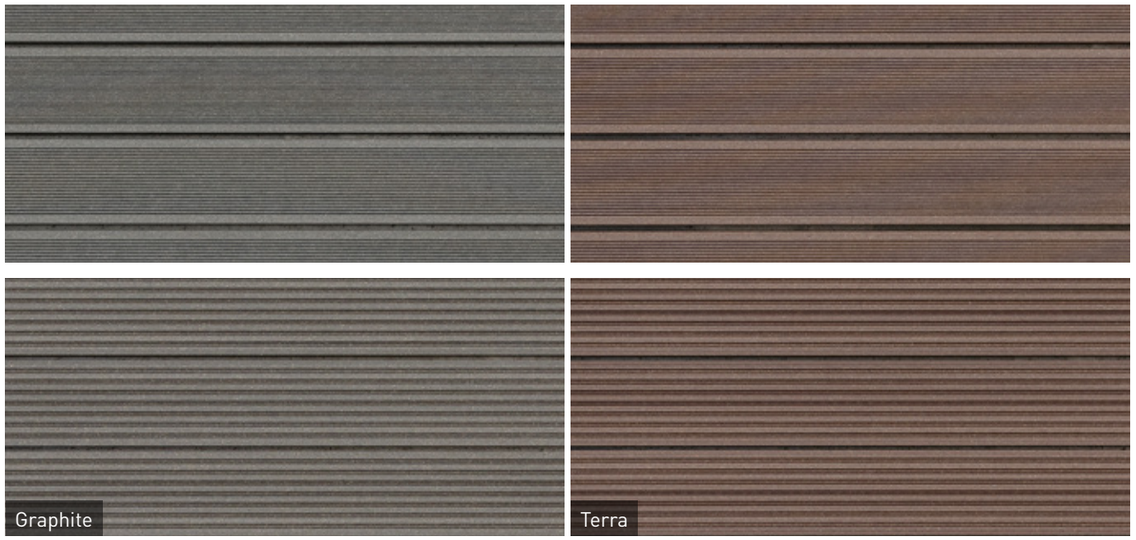
structured

Trend 16 Deck board

finely corrugated

grooved

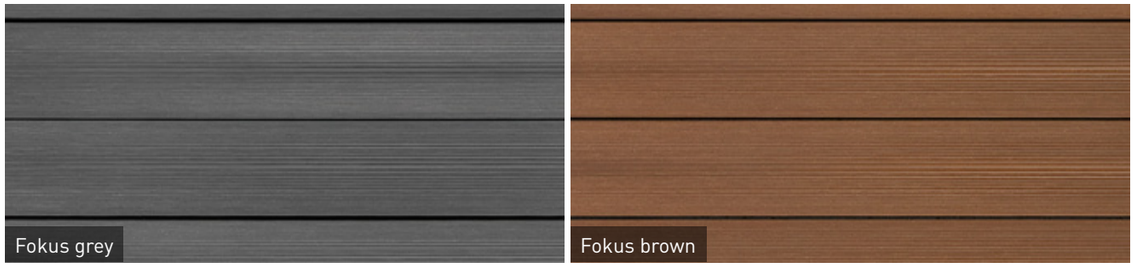
Trend 19 Deck board



finely corrugated

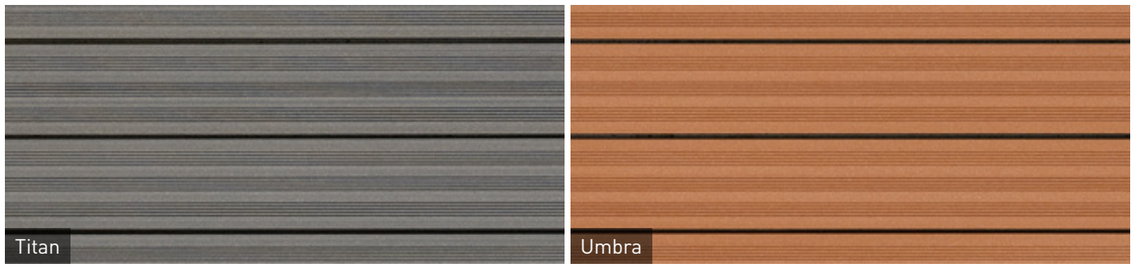
grooved

Dolomit 19 Deck board



waved and matted

Trend 25 Deck board



partially corrugated

Dolomit 19 Floor panel

droved and matted

Simple assembly for all structure types

We want you to enjoy your deck for a long time. Only use original torroTimber® parts and observe our processing recommendations to ensure that our warranty does not become void.

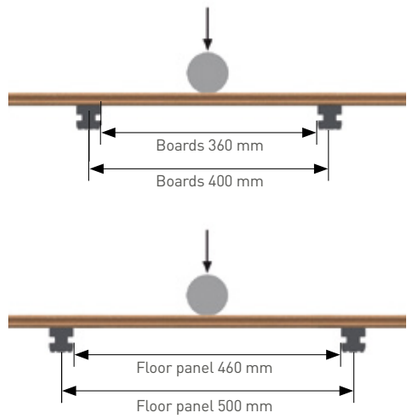
Coordination with the manufacturer must take place and respective approval must be obtained in the event of special structures that deviate from these processing recommendations or the online planner in order for any potential warranty claims to be accepted.

Setup could not be any easier

// Avoid contact between the construction elements.
// Ensure that the subsoil is firm and has a good load bearing capacity. For applications that require an official technical approval, a static sufficiently measured, bearing and walkable foundation as a support for torroTimber® boards /sub-constructions is also required.
// Holes should be pre-drilled so that the part to be fixed is 2 mm larger and the retaining drill hole is 1 mm smaller (0.5 mm in the case of metric screws) than the screw diameter.
// Observe the minimum clearances of the expansion joints so that the construction can expand without force if necessary and a sufficient amount of ventilation from underneath is ensured.
// Cutting the longitudinal side of the boards may result in board offset.
// Do not lash down or brace the deck during construction.
// Distance between the deck board and all fixed components: 20 mm
// Do not fill cavity spaces between the level surface of the gravel and sub-construction elements.
// Recommended minimum gradient of 2 % in the longitudinal direction of the boards.
// Maximum deck board protrusion over the last sub-construction is 50 mm.
// Production-related dimension tolerances regarding length, width and thickness are to be taken into account during assembly and the dimensions on the construction must be examined once again.
// The planks are to be cut off at right angles and then to chamfer.

Simply pay attention to the laying direction

Lay all of the boards in the same direction in order to obtain a homogeneous surface effect. This direction is shown by an arrow in the board groove or on a label on the board. Mix the boards prior to laying. This allows the slight differences in the colour of the boards to emphasise the natural appearance.



Mechanical characteristics of the boards and floor panel

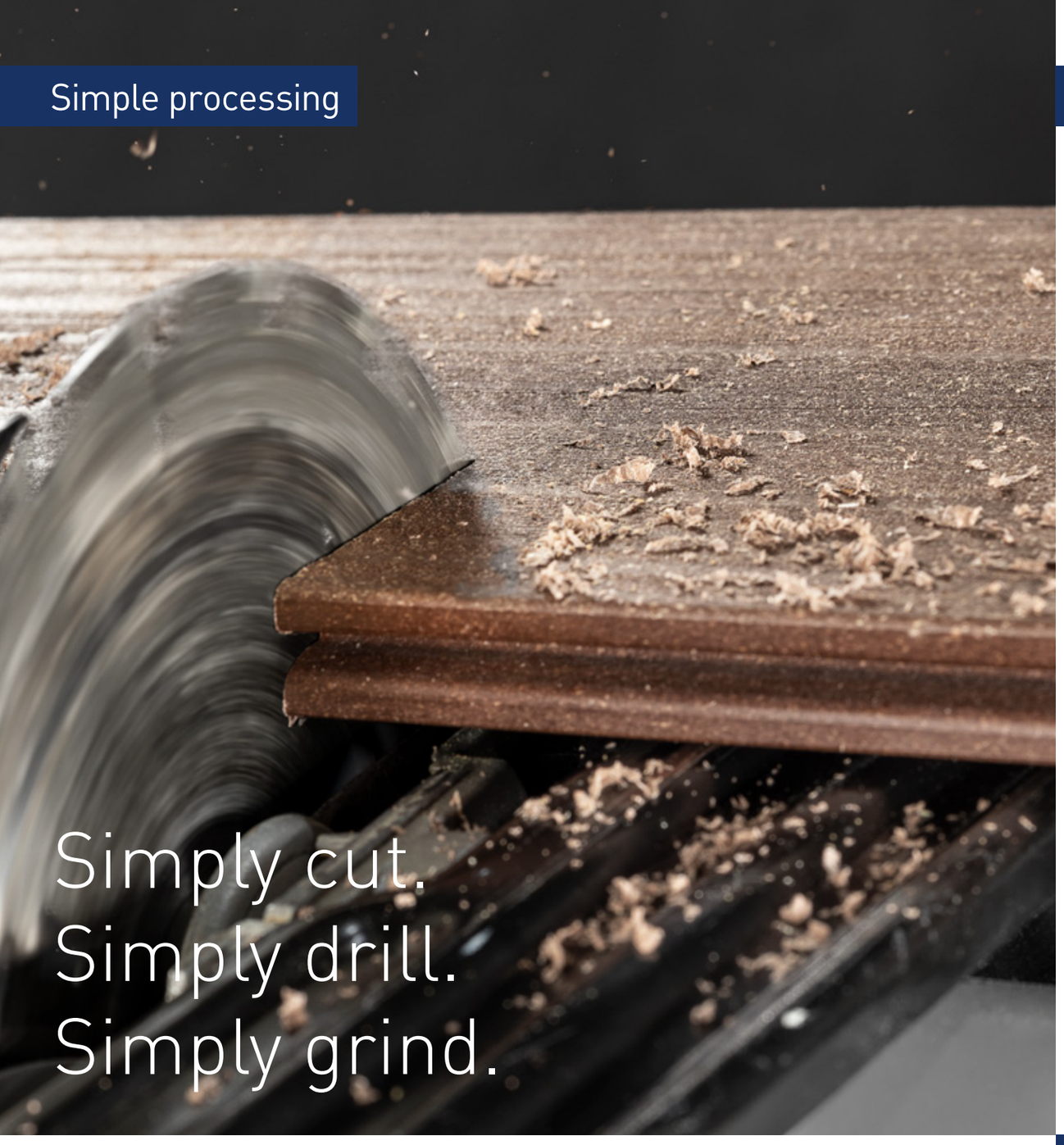
Three-point bending	Boards	Floor panel
Support clearance:	360 mm	460 mm
Test speed:	20 mm/min.	20 mm/min.
Breaking load:	3.200 N*	3.200 N*

* 3,200 N corresponds to ≈ 320 kg/board at a maximum distance of the sub-construction of 400 mm (boards) and 500 mm (floor panel).

Production-related dimension tolerances of torroTimber® boards and floor panel

	Specification	Tolerance field	Dimension	Measurement point	Permitted dimension change after water absorption* guaranteed values		Remark
Profile length	3000 / 4000 / 5000 mm	± 0.0/+ 10.0 mm	Length	Maximum valuet	Board length 3000 mm Board length 4000 mm Board length 5000 mm	≤ 9.0 mm ≤ 12.0 mm ≤ 3 mm/m ≤ 15.0 mm	Distance from other fixed components, min. 20 mm
Profile width	130 / 138 / 163 / 193 / 245 mm	– 2.0/+ 1.0 mm	Width Max. 245 mm	Board, centre	max. ≤ 1.2 mm		
Profile thickness	16 / 19 / 25 mm	– 1.0/+ 1.0 mm	Thickness Max. 19 mm	Board, centre	max. ≤ 0.5 mm		

* In the event of exposure to outdoor weathering and construction executed in accordance with the construction manual



Simple material processing

We have created a material that is extremely easy to maintain and is also resistant. Thanks to the material structure, products are as easy to process as is the case with wood. Whether cutting, drilling or grinding, modify the material as you see fit or as the situation demands.

Item overview for assembly on concrete edge stones

Construction beam
40 x 40 mm

Fastening screw for
sub-construction
7,5 x 92 mm

Connector

Rubber pad
100 x 60 x 20 mm
100 x 60 x10 mm
100 x 60 x 3 mm

Locking clamp
(one-piece)

Edge clamp
(two-piece)

Groove bridge

Clip & edge clip
incl. screws

Distanz Fix for the cre-
ation of a heading joint
(5 mm/8 mm)

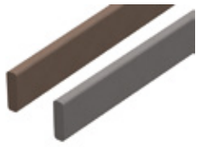
Arretier Fix for the height
locking of the butt joints
in a stretcher bond (5 mm
gap) for the floor panel

Retaining band,
self-adhesive

Fastening screw
M8 x 80 mm
for edge board

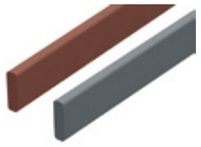
M6 x 40 mm screw in
order to screw short
deck board sections

Edge board
brown, grey
3000 x 17 x 60 mm

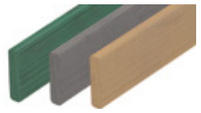


Edge board
terra, graphite
3000 x 17 x 60 mm

Edge board
umbra, titan
3000 x 17 x 60 mm



Edge board
Fokus brown, Fokus grey
3000 x 17 x 60 mm



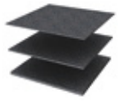
POWOLIT Edge board
ecru, jade, platin
2395 x 17 x 72 mm

Additional items for assembly with ConStep system

ConStep
mounting plate

ConStep
double mount

ConStep
single mount

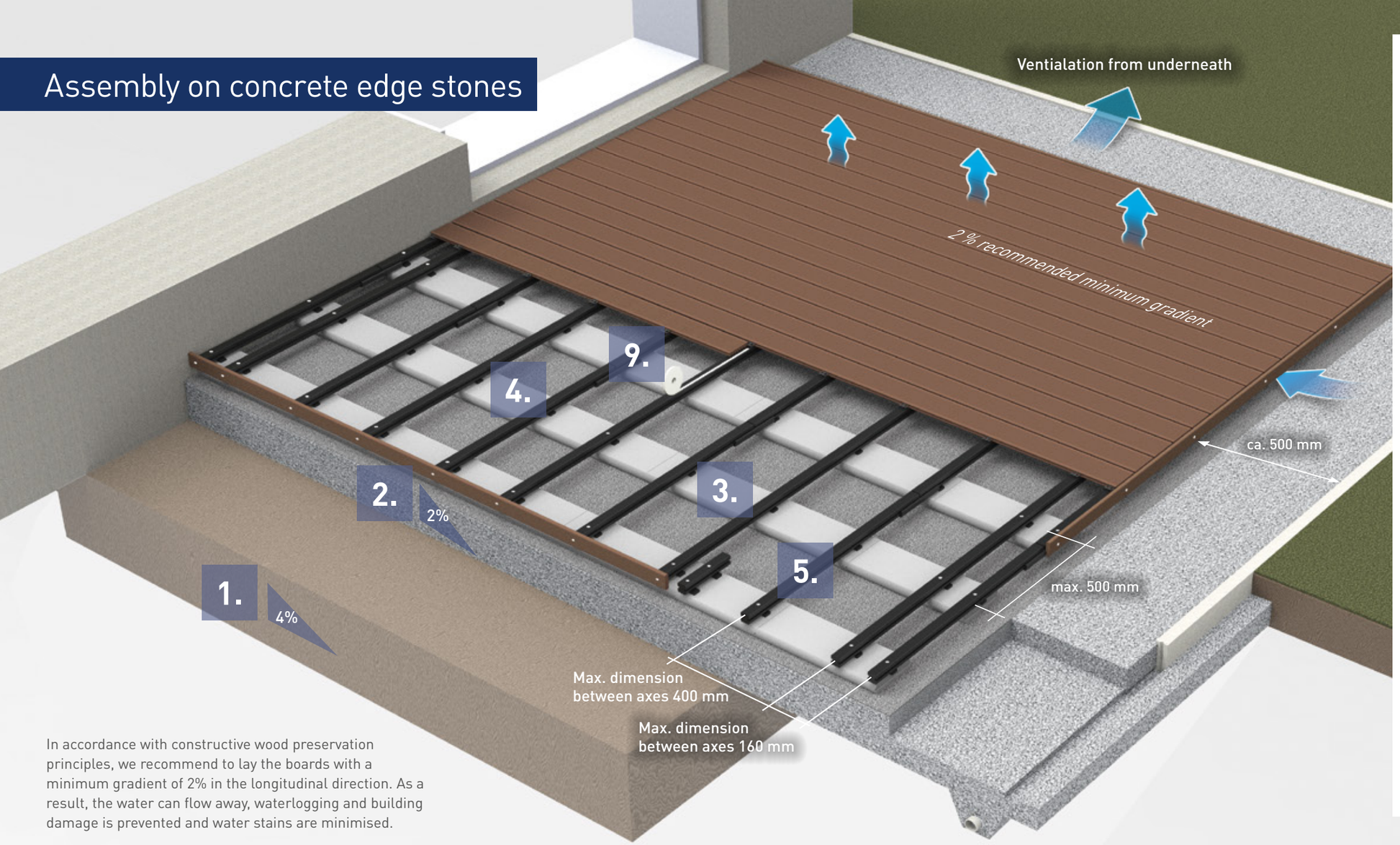


ConStep rubber pad
300 x 300 x 10 mm
300 x 300 x 5 mm
300 x 300 x 3 mm

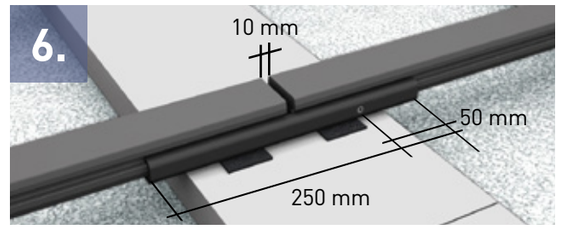
Perforated band

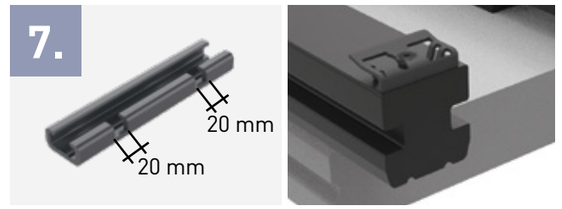
ConStep
assembly clip

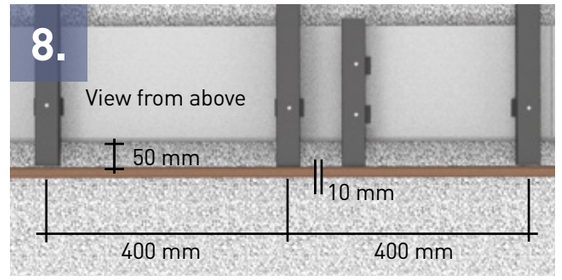
Assembly on concrete edge stones

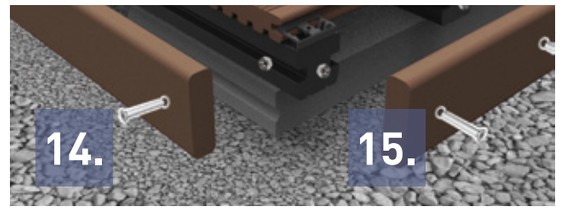


In accordance with constructive wood preservation principles, we recommend to lay the boards with a minimum gradient of 2% in the longitudinal direction. As a result, the water can flow away, waterlogging and building damage is prevented and water stains are minimised.









Preparation of the subsurface

1. Establish a soil formation with a gradient of 4%.
2. Whilst ensuring that it protrudes by 500 mm around the circumference of the deck, create a ballast bed (including drainage) with a 2% gradient. Apply fine grit to the ballast bed with a 2% gradient.

Assembly of the subconstruction

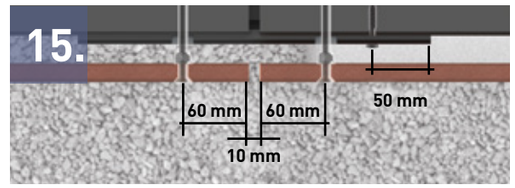
3. Lay the concrete edge stones (100 x 25 x 5 cm) on a gradient gravel bed with a centre distance of 500 mm.
4. Equally distribute the construction beams (40 x 40 mm) transverse to the concrete edge stones (the groove is at the bottom), ensuring that there is a protrusion of 50 mm on the end face (see Detail 8). Screw the construction beams at the beginning, the centre and the end of the board and the lateral supporting points for the construction beams to the concrete slabs. Place two beams each at the beginning and the end (axial dimension: 160 mm). Place 10 mm rubber pads under the construction beam and balance out any gradient-related differences using additional rubber pads.
5. The joints of the construction beams should always be positioned offset from each other should the width of the deck exceed 3 m.
6. Cut the connecting clamp to 250 mm so that the beam joints are joined to each other and then screw tightly on one side (clearance of the joints: 10 mm). Connecting clamps make it possible to create decks that are larger than 12 x 12 m without a requirement for structural expansion joints.
7. Saw a width of 20 mm and a depth of 10 mm out of the connecting clamp in the area of the screwed connection so that the connection profile can be mounted later.
8. Mount an additional piece of construction beam in the area of the butt joints of the smooth edge boards should the deck boards be longer than 3 m.
9. Adhere retaining band to the centre construction beam.

Assembly of the boards with clip

10. Place an edge clip at the beginning of the face of the construction beam so that it is flush with the beam, pre-drill to a depth of 3 mm and loosely fix in place using a screw (do not tighten yet).
11. Push the first board onto the positioned edge clip. Use the clip for the following boards, pre-drill to a depth of 3 mm and loosely fix it to the construction beam using the enclosed screws. Now press the next board against it until the clip is positioned horizontally. Tighten the clip applying an average torque after approx. 5 boards have been laid. Repeat up to the penultimate board.
12. After the penultimate board, calculate the width that is required for the final board and cut the construction beams so that they are flush. The construction beam is to protrude 10 mm over the edge of the final board so that the edge clip can be positioned as an end fastener.
13. Position the final board and fix the edge clip in place. Pre-drill a hole for the screw and screw in place applying an average torque.

Assembly of the edge boards

14. Appropriately pre-drill the connecting strip on the face side facing the edge board (0.5 mm smaller) and screw on using a M8 x 80 mounting screw. Act as shown in Detail 8 with regard to butt joints.
15. Mount the edge board parallel to the construction beam using a M8 x 80 fastening screw. Screw together max. 60 mm from the ends and max. 500 mm in connection with each other. The butt joints of the edge boards support the butt joint of the sub-construction.
16. Cut the board faces off at a right-angle, leaving a protrusion of 15 mm. Chamfer the cut edges. Maximum board protrusion: 50 mm.

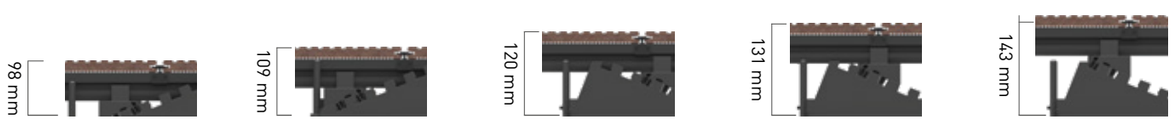


Assembly with ConStep system

Our sophisticated ConStep system is the best sub-construction for your torroTimber® deck. The system components impress with their lightness, variable installation heights and ease in terms of laying. Single and double mounts are clicked into the ConStep mounting plate and form the base of the construction beams which will be applied on top.

Easily implemented variable installation heights

Our patented click system allows construction heights of between 98-143 mm (in steps) to be easily implemented.

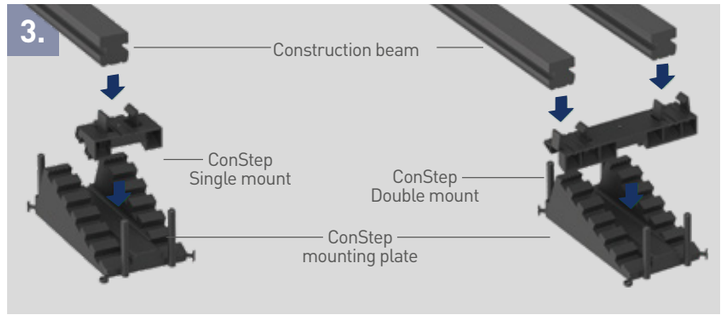


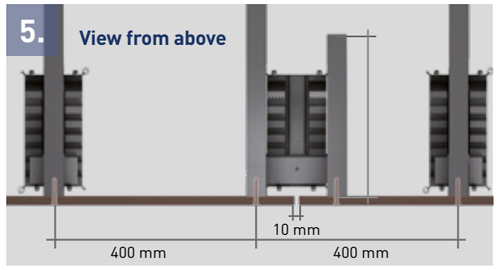
Preparation of the subsurface

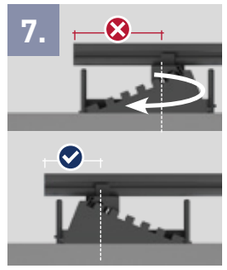
1. Establish a soil formation with a gradient of 4%.
2. Whilst ensuring that it protrudes by 500 mm around the circumference of the deck, create a ballast bed (including drainage) with a 2% gradient. Apply fine grit to the ballast bed with a gradient of 2%.

Assembly of the ConStep plates

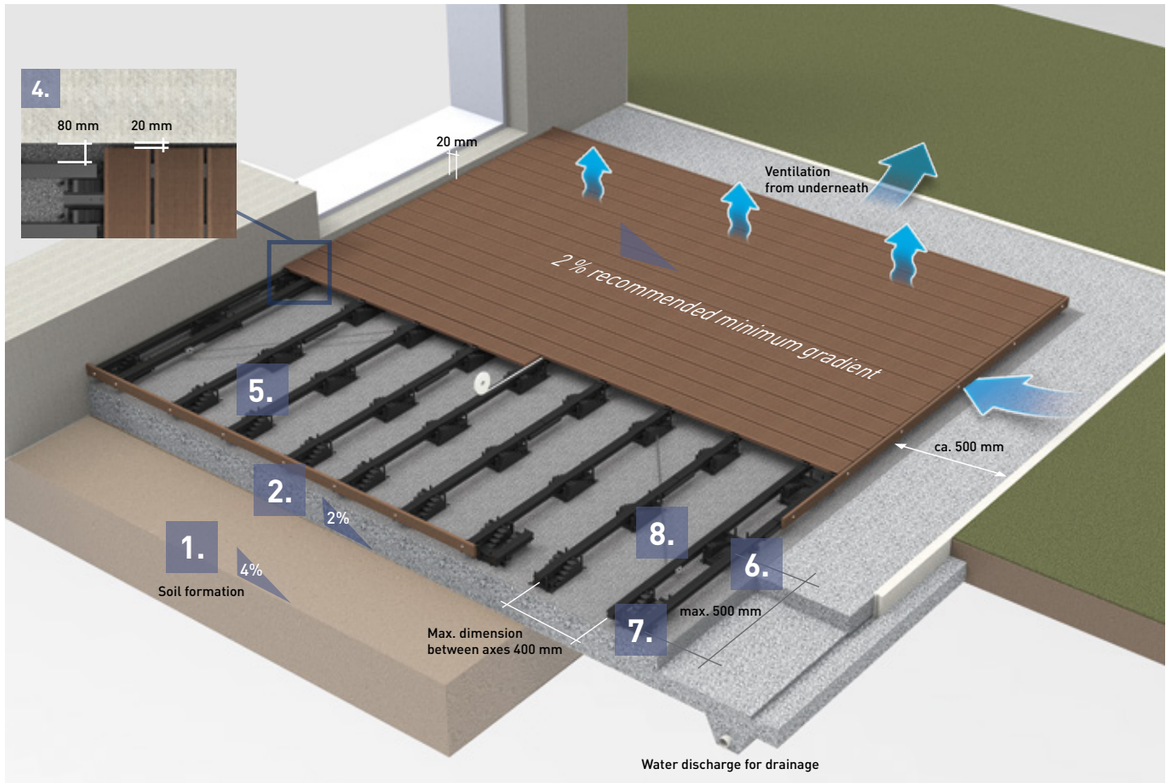
3. In all of the ConStep mounting plate, click in the single and double mounts to the same height and centrally bond into place with a piece of retaining tape.
4. Position the ConStep panel with double mount at a distance of 80 mm to the house wall and a maximum alignment of 500 mm to the next ConStep panel with double mount.
5. Position the ConStep panel with single mount with max. 400 mm dimension between axes in the next row.
6. Conclude the end of the deck using a further ConStep double mount. Click the sub-construction into place.
7. Minimise protrusions. In order to do so, turn the ConStep panel where necessary.
8. Using the ConStep assembly clip, reinforce the entire sub-construction with perforated band in a crosswise manner.





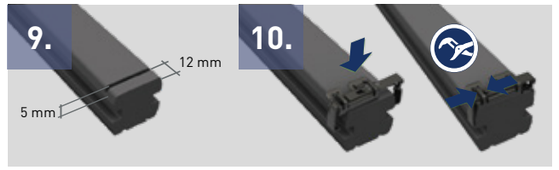


Continue at assembly of the sub-construction concrete edge stone: see items 4 to 9 on page 28.

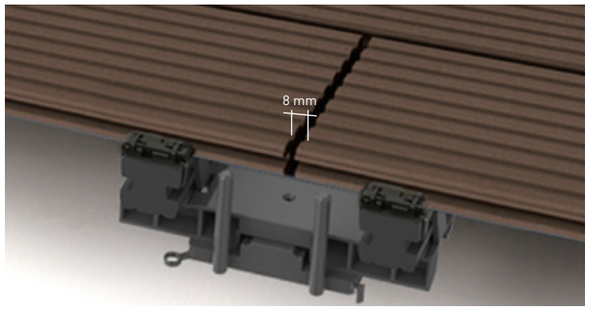


Assembly of the board with locking clamp

9. Saw into the construction beam from the side from which the boards are to be laid. This must be performed 12 mm from the edge, to a depth of 5 mm and to a width of 2 mm. Position the edge clamp in this groove and, using pliers, fix together with the construction beam and push the board into the edge clamp.
10. Place the locking clamp onto the construction beam, fix into place using pliers and push into the deck board groove. Using the supplied screw, engage the lock lips into every 3rd deck board row on the construction beam.
11. After the penultimate board, determine the required width for the last deck board and saw the construction beam to length so that it is flush. In doing so, please note that the construction beam must protrude by 12 mm from the last board (for fixation of the edge clamp).



Assembly of the edge board: see items 14 and 15 of assembly on concrete edge stones



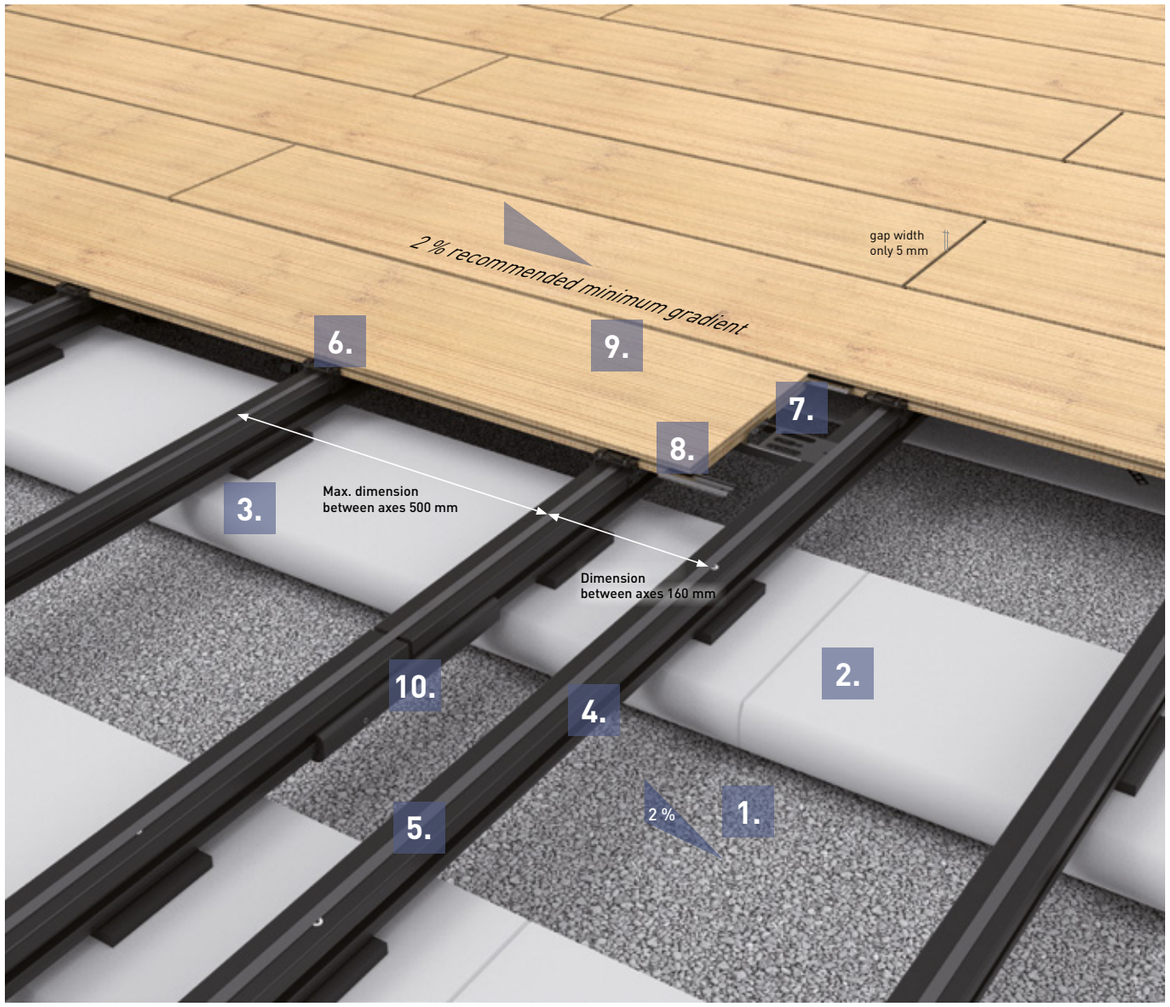
Herringbone pattern installation with double sub-construction beam

Assembly with the example of ConStep double mount

Min. front-end space of the boards 8 mm and, in the event of floor panel, 5 mm. Use the Distanz Fix component for an ideal gap appearance. At the joint of two boards, use a construction beam at the start and end of the board respectively. Do not hit on a construction beam.

Assembly of the Dolomit floor panel in a semi-offset structure with the example of concrete edge stones

Installing the Dolomit floor panel in a stretcher bond can be performed with the ConStep system as well as on concrete edge stones provided that the centre distances of the construction beams can be observed. The recommended minimum gradient in order to ensure water drainage and the prevention of waterlogging is also 2% in the longitudinal direction of the panels. **In order to achieve an accurate gap appearance, always use Distanz Fix and Arretier Fix.**

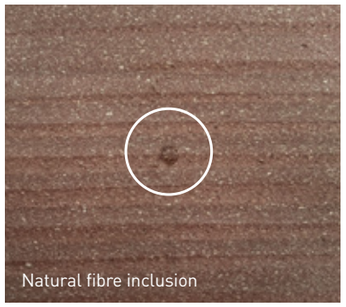


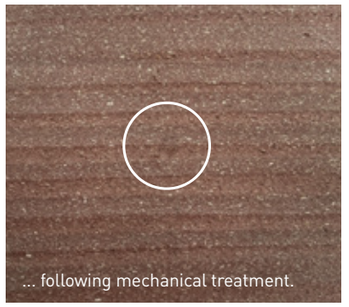
1. Gravel or ballast bed
2. Concrete edge stone
3. Rubber pad
4. Construction beam
5. Retaining band
6. Securing clamp
7. Distanz Fix
8. Arretier Fix
9. Dolomit floor panel
10. Connector

Simple deck maintenance

Regular care minimises persistent deposits such as pollen, dust or the settlement of organic substances. We recommend cleaning the deck thoroughly at least twice a year (and more frequently if necessary). The outdoor temperature should be at least 15°C when cleaning the deck. Please proceed as follows when cleaning:

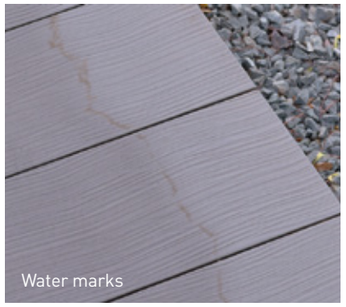
1. Brush away any dry, loose dirt from the deck.
2. Sufficiently water the entire deck and keep moist for at least 15 minutes.
3. Clean the deck using a solid brush or scrubber.
   If a deeper clean is required, please also use a surface cleaner with a rotating brush.
4. Thoroughly rinse with clear tap water and pull off with water.

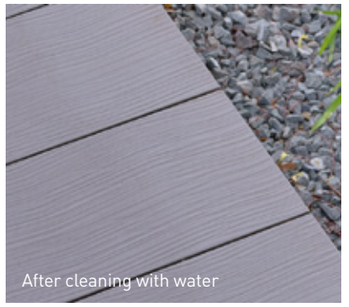

Natural fibre inclusion


... following mechanical treatment.

Simply real natural fibres

Due to the natural raw material, small inclusions of bast and natural fibres may occur. These fibres often rise to the surface after being subjected to weathering and water absorption. The majority of these inclusions will disappear once again over time if the deck is used normally. They can also be mechanically removed if they are bothersome. The product will not be damaged.

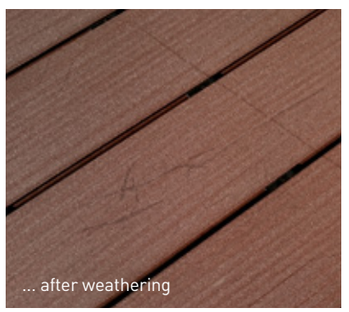

Water marks


After cleaning with water

Simply clean with water

Everyone knows that it's not possible to control the weather. The formation of water marks as a result of precipitation or dust deposits are a natural consequence. They occur particularly frequently in the transitional area of covered areas as well as in uncovered areas. Unfortunately, these edges cannot be completely avoided. However, they are easy to remove with clear water. Regularly cleaning and maintaining the surfaces has a preventative impact against new water stains and reduces their occurrence over time.


Polishing, e.g. by furniture


... after weathering

Simply wait

Your deck is full of life and that's a good thing! Don't worry about traces of use or instances of "polishing" that are caused by the furniture. Weathering usually causes traces of use on the deck board surface to disappear over time. So sit back and relax! However, if you do want to do something about it, just clean your deck regularly. This ensures that fewer visible traces of use occur.

A profile with charm!

torro TIMBER®
MADE IN GERMANY

Rhombus profile

solid 20,5 x 81 mm,
in two colours, length 4200 mm,
min. joint clearance 5 mm

multicoloured

easier to maintain

narrow 5 mm gap

The figure illustrates the torroTimber® Rhombus profile product in Fokus chocolate black

Colour:
Fokus chocolate black

Colour:
Fokus grey

Item accessories

Stainless steel clip

Assembly of the rhombus profile:
www.torrotimber.com/en/downloads

The solid rhombus profile with its attractive colour gradient for stylish cladding

You can create tasteful wooden claddings outdoors with rhombus profiles. The solid profiles in the natural colours Fokus grey and Fokus chocolate black captivate with an attractive colour gradient and skillfully fit in with their surroundings. Fastening is possible both visible with screws and hidden with stainless steel clips. The rhombus profiles can be mounted in a multiple field system with a max. axial dimension of 80 cm or in a single field system with max. 60 cm.

// Surface: with a colour gradient, matted, with vascular rays on one side
// can be mounted on one side, visually screwed or hidden with clamps
// min. joint clearance: 5 mm
// Colour-resistant
// Free from dangerous splinters
// Solid and completely coloured
// Sustainable
// Material: **GCC- POWOLIT**

A top quality boundary!

torro TIMBER®
MADE IN GERMANY

Privacy screen fence

“Blickfang” with GCC bar

height and width individually adjustable

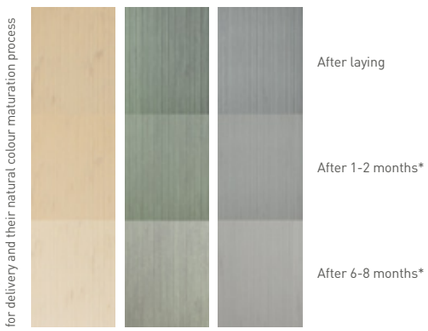
can be erected at all angles

slope-adapted installation possible

25 year guarantee against rotting in the ground

easier to maintain

„Blickfang“ privacy screen fence with GCC bar in jade



* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The strong privacy screen with corrugated panels

Successfully enjoy a degree of privacy and emphasize features with the “Blickfang” privacy screen fence. Its unusual appearance with marbled, corrugated panels immediately catches the eye. The material is colour-resistant and dirt-resistant. The panels almost clean themselves thanks to the vertical position and weathering. Doors and gates can also be suitably integrated and gradients as well as all types of angles can be tackled without any problems whatsoever. Our posts are also extremely durable – we provide you with a 25-year guarantee against rotting in the ground. In short: The perfect boundary option for your garden!

// Surface: Marbled and corrugated
// Dimensions: 35 x 270 mm and thickness: 6 mm
// Length panels: 160.2 cm or 210 cm**
// Pre-assembly also available for order
// Matching doors and gates available
// Colour-resistant and dirt-resistant
// Solid and completely coloured
// Sustainable
// Material: **GCC - POWOLIT**

** f or structures which are adapted to the slope

Enjoy privacy!

torro TIMBER®
MADE IN GERMANY

Privacy screen fence

“Blickfang” with stainless steel bar

height and width individually adjustable

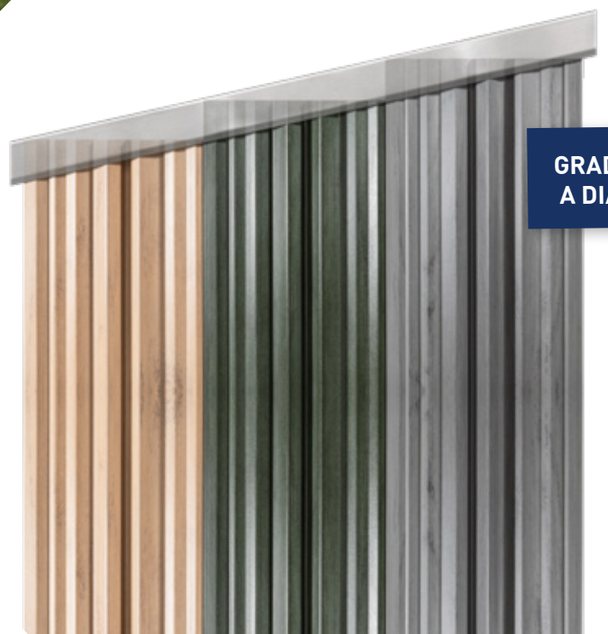
can be erected at all angles

slope-adapted installation possible

25 year guarantee against rotting in the ground

easier to maintain

„Blickfang“ fence set with new stainless steel bar in jade



GRADIENT OF UP TO 10% WITHOUT A DIAGONAL CUT TO THE PANELS

The modern stainless steel bar in the practical fence field set

No two terrains are the same. The plot may be characterised with various sub-surfaces, gradients, angles or other conditions. In order to make it easier for your to assemble the system, we have developed the fence field set with stainless steel bar. Gradients of up to 10% can be compensated without a diagonal cut to the panels. The stainless steel bar can be quickly assembled and, thanks to the material mix, boasts a modern and smart appearance.

// One fence field set with stainless steel bar contains: 2 stainless steel bars incl. post fastening, 1 insert bar, 7 panels incl. screws and accessories
// Posts must be purchased separately
// Gradients of up to 10% can be compensated without a diagonal cut to the panels
// Adaptation to the slope
// Material: **GCC-POWOLIT with stainless steel**

A fence in no time at all!

torro TIMBER®
MADE IN GERMANY

Bar fence
"Blickfang"

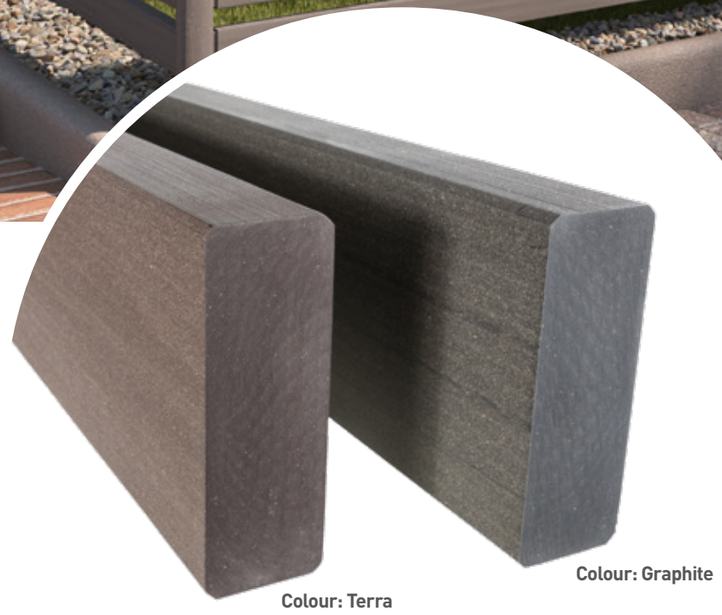
height and width individually adjustable

can be erected at all angles

slope-adapted installation possible

25 year guarantee against rotting in the ground

The figure illustrates the torroTimber® bar fence product in terra



Colour: Terra

Colour: Graphite

After laying

After 1-2 months*

After 6-8 months*

Terra

Graphite

* The figures illustrate an example of the colours available for delivery and their natural colour maturation process

The classic fence equipped with solid bars

With the torroTimber® bar fence, you can upgrade your garden with a decorative boundary manufactured from innovative material. Adapt it to your garden requirements: Thanks to flexible connecting elements that can be utilised, the solid bars can be installed in various ways and at different heights. Matching doors and gates are also available on top as an optional design! The fixed anchoring of the post with the foundation means that the bar fence is equipped for all types of weather. Not only that: You don't need to worry about the posts rotting in the ground for 25 years – that's our guarantee!

// Form: Square, curved
// Dimensions: 40 x 112 mm
// Length bars: 178.6 cm or 360 cm**
// Pre-assembly also available for order
// Matching doors and gates available
// Colour-resistant
// Solid and completely coloured
// Sustainable
// Material: **GCC**

** f for structures which are adapted to the slope

Simply thinking outside the box! Simply variable.

PRE-ASSEMBLY ALSO AVAILABLE FOR ORDER

Simple assembly for all fence designs

This torroTimber® construction manual is the basis for all versions of fence assembly. Only use original torroTimber® items and simply follow our processing recommendations to ensure that our warranty does not become void.

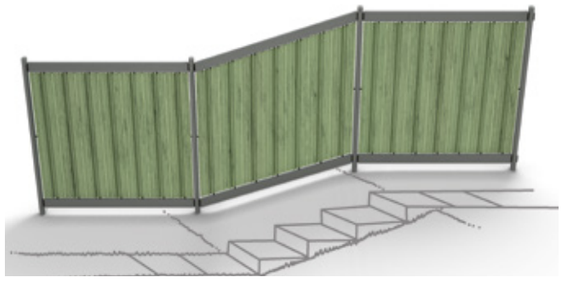
torroTimber® fences can be adapted to individual requirements via the online planner. In order to ensure that assembly is easy, we can pre-assemble all elements on your behalf if requested. This means that you do not need to perform the time-consuming pre-drilling of required holes or adaptations of diagonal section and you can simply start with the assembly! Simply plan your individual fence online at: **planner.torrotimber.com/blickfang/en**

Setup could not be any easier

// Only use the posts measuring 2.20 m in length when assembling by screwing on to the base plate. The maximum construction height of 2 m (upper edge of the floor to the upper edge of the post) may not be exceeded. Caution: Higher structures do not correspond with the static requirements.
// You should pre-drill holes 0.5 mm smaller than the screw diameter. Countersink the drill holes for the bar connectors in order to ensure complete contact. Observe the drill hole edge distance of at least 10 mm.
// When assembling the posts and bars, please observe the 12 mm clearance so that the construction is able to expand without force if necessary.
// The full engagement of the bar connectors when performing the final assembly ensures complete stability.
// Assembly and production-related tolerances regarding length, width and thickness are to be taken into account during assembly and the dimensions on the construction must be examined once again.

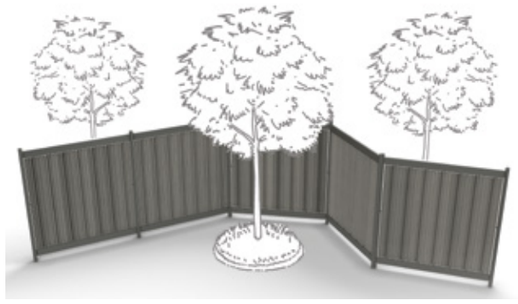
Installation which is adapted to the slope

Gradients in the terrain? Not a problem for the torroTimber® privacy screen or the torroTimber® bar fence.
The torroTimber® system sizes can be installed on inclines measuring up to 3%. When dealing with gradients below 10%, use the special lengths or the **fence field set with stainless steel bar**. Greater differences in height in the terrain can be individually adapted by **diagonal cuts to the bar and on the element**.



Angle structure

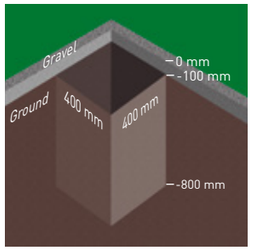
The oval torroTimber® post shape and the innovative bar connector allow the bar fence and privacy screen to be positioned with a free choice of angle.



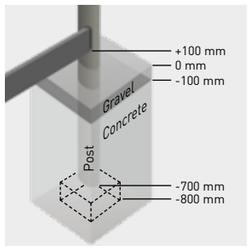
Anchoring options

torroTimber® posts are durable, even when installed in the ground. We offer you a 25 year guarantee against rotting.
You can choose between encasing the posts in concrete or on base plates.

Simply encase the posts into concrete

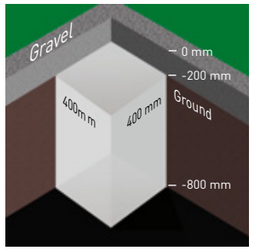


Dig all of the foundation holes (400 x 400 x 800 mm).

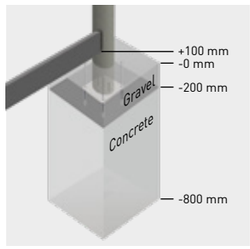


Fill the foundation hole with concrete to a depth of 100 mm. Position the frame in the foundation hole at a depth of -700 mm. Precisely apply the lower edge of the post with the aid of a small brick. Apply concrete into the foundation hole to a level of -100 mm. All posts must be vertically aligned.

Simply assemble the posts on the base plate

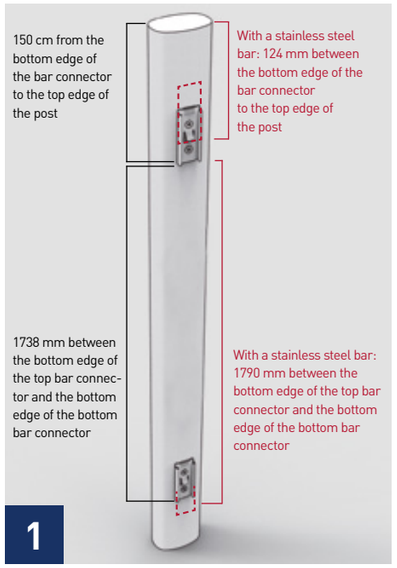


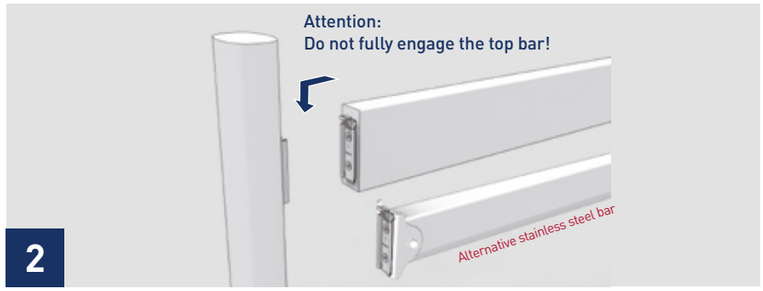
A separate, suitable foundation is required. For this purpose, dig all of the foundations holes (400 x 400 x 800 mm) and fill with concrete to a height of between -800 mm and -200 mm. Allow to fully harden. Alternatively, a suitable anchoring system can be installed on-site.

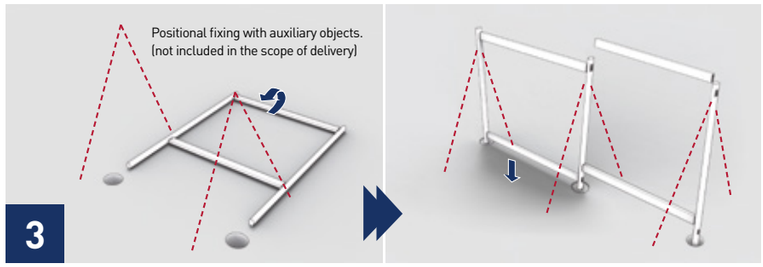


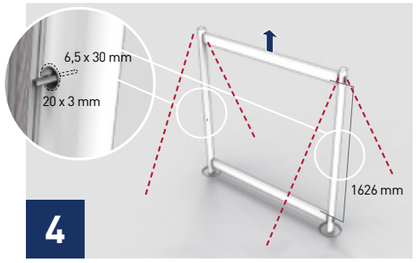
Pre-drill the holes on the post for the base plate (75 x 850 mm). Screw the base plate to the oval post (3 M8 x 80). Fasten the base plate complete with post to the foundation using a suitable anchoring system. All posts must be vertically aligned.

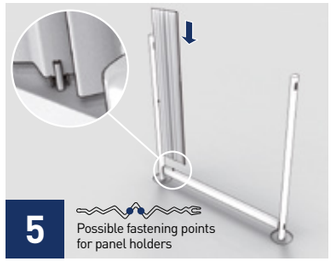
Assembly process of the “Blickfang” privacy screen fence

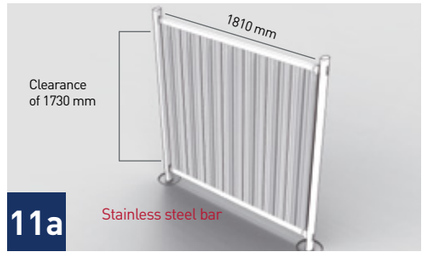












The frame construction

1. Screw the „Post“ connecting part to the post. On the frontal sides of the bar, centrally position and screw the „bar“ connecting part. Using a 5.5 mm drill, pre-drill and countersink the holes to 35 mm. (The bar connectors on the stainless steel bar have already been pre-assembled.)
2. Fully engage the lower bar on the post. Apply but do not fully engage the top bar!
3. Position the pre-assembled frame and vertically fasten in the foundation (encased in concrete/screwed). See anchoring options. Prepare all further frames. In order to do so, screw the „Post“ connecting part to the next post. Centrally position and mark the „bar“ connecting part to the frontal sides of the bar. Using a 5.5 mm drill, pre-drill and countersink the holes to 35 mm and screw into place. Vertically fasten the post in the foundation, fully engage the bottom bar and apply the top bar.

Simple panel assembly with the GCC bar

4. Remove the upper fence bar. When dealing with the side panel holder, pre-drill the hole to a depth of 30 mm (6.5 mm drill) in the centre of the post and countersink to a depth of 3 mm (20 mm) drill. Fasten the panel holder (please see detail).
5. Insert the first panel into the side panel holder and determine the lower drill hole in the bar for the lower panel holder, then mark and pre-drill. Apply the lower panel holder to left or right hand side of the first panel at the centre of the highest corrugation. Insert the panel complete with panel holder (please see detail).
6. Determine the next drilling location and pre-drill to a depth of 25 mm (using a 6.5 mm drill).
7. Connect the further panels by inserting into the previous panel and fasten with a lower panel holder.
8. Insert further panels. When dealing with the last panel, pay attention to the additional side fastening with the panel holder (see detail 4).
9. Equip the upper edge of the panel with the panel holders and apply the upper bar but do not fully engage. Precisely mark the position of the drill holes for the upper panel holder and pre-drill to a depth of 25 mm (6.5 mm drill).
10. Apply the top bar and fully engage.
11. Assemble the next fence section in the same manner.

The alternative assembly with stainless steel bar

7a Place the insert bar into the lower stainless steel bar (in the event of horizontal structure) in order to align the height of the panels. They can now be positioned.

10a Connect the panels by inserting into the respective previous panel. (Attention: When dealing with the stainless steel bar, panels with a special length of 180.5 cm are used) Apply the upper stainless steel bar and fully engage. Using a threaded pin and cap nut, fasten the first and last panel to the lower and upper bar (the holes in the bar have been pre-drilled).

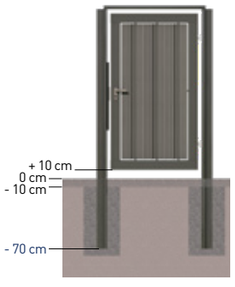
11a Assemble the next fence section in the same manner.

Please use our fence configurator that is available online at **torrotimber.com/blickfang** for individual structures, e.g. inclined adaptation to the slope.

Item overview for the assembly of the „Blickfang“ privacy screen fence

Post
Dimensions: 60 x 90 mm
Colours: Terra and graphite
Lengths: 220 cm, 270 cm
(available in a 360 cm version for structures which are adapted to the slope)

Panel
Dimensions: 35 x 270 mm
Length: 160.2 cm
(available in a 210 cm version for structures which are adapted to the slope)
Thickness: 6 mm
Colours: Jade, ecru and platin
Requirement: 7 units per field



Door and gate
Dimensions: 102 x 185 cm
(Frame: 112 x 270 cm)
Colours:
Frame: Terra and graphite
Panels: Jade, ecru and platin
incl. fittings, pre-aligned for profile cylinders
Production available on request

Attention: Connect the frame to the post in a force-locking manner using 5 M8 x 80 screws per side, connect and then encase into concrete together.

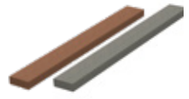
Fence set with stainless steel bar

Gradient of up to 10% without a diagonal cut to the panels

Set for 1 fence contains:
2 stainless steel bars
incl. post fastening
1 insert bar
7 panels (jade, ecru or platin)
incl. screws and accessories

Posts are available separately. Can also be combined with all other post system types.

Panel holder
Requirement: 16 units per field
Material: Stainless steel

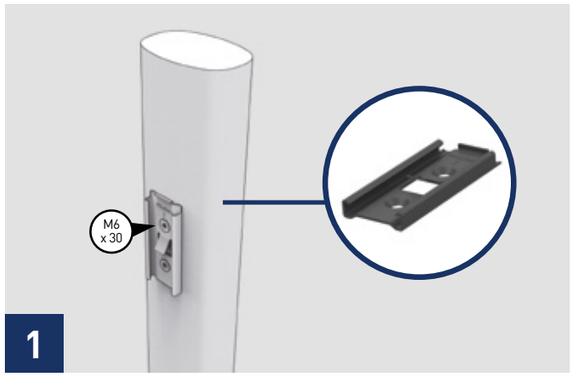


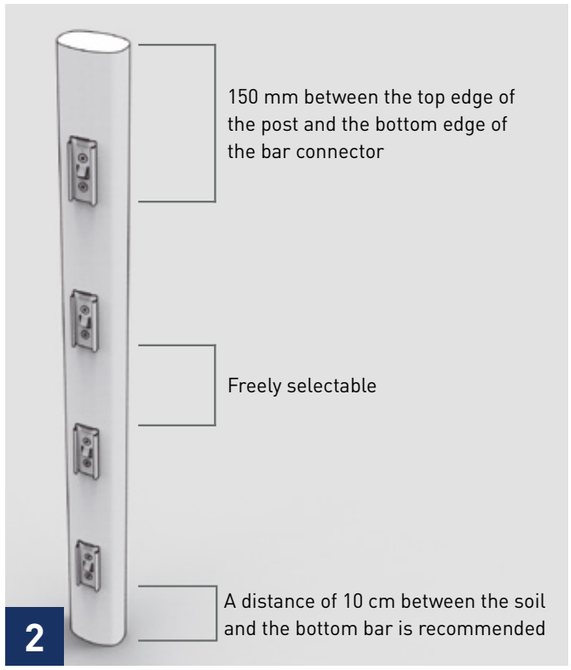
Bar
Dimensions: 40 x 112 mm
Colours: Terra and graphite
Length: 178.6 cm
(available in a 360 cm version for structures which are adapted to the slope)

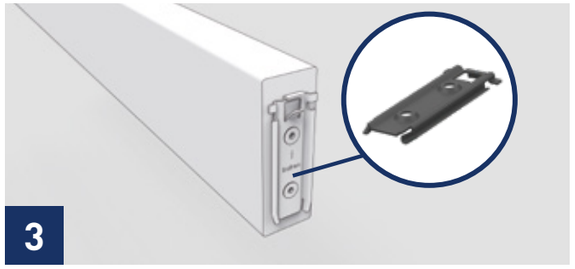
Bar connector, two-part
Post/bar
Requirement: 2 parts per bar
Material: Blackened stainless steel incl. 4 screws
(M6 x 30 mm) per connector

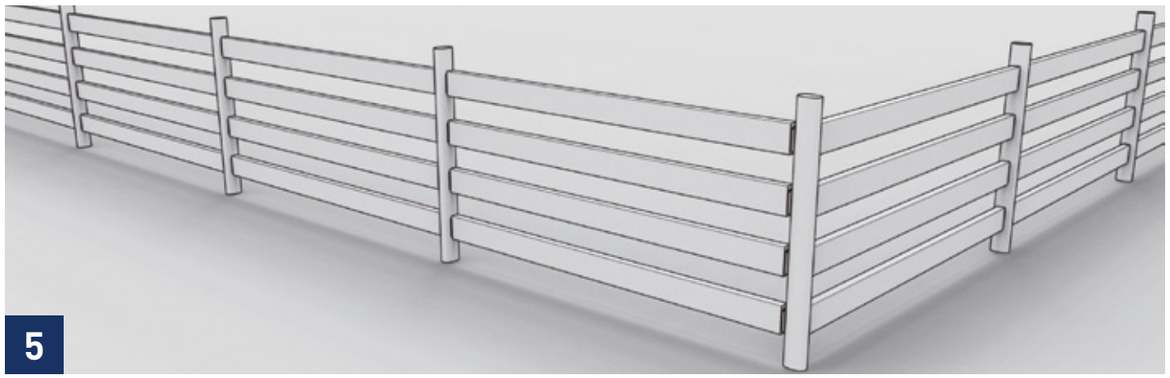
Base plate – post
Dimensions: 120 x 120 mm
Requirement: 1 unit per post
Material: Steel galvanised
Thickness: 8 mm
incl. 3 screws (M8 x 80 mm) per plate

Bar fence assembly procedure









1. Screw the „Post" connecting part to the post. Pay attention to the „TOP" labelling. Using a 5.5 mm drill, pre-drill and countersink the holes to 35 mm.
2. Screw the „Post" connecting part to the post at equally spaced intervals. Please note that the bottom fence bar has a gap measuring at least 100 cm to the ground.
3. Centrally position, mark, countersink and screw the „Bar" connecting part to the frontal sides of the bar.
4. Insert the bottom and top bars but do not fully engage the top bar.
5. Position the pre-assembled frame and vertically concrete/screw into the foundation. Please see Anchoring options.
   Once the concrete has set or after the screwing process has been completed, remove the top bar, insert all of the missing bars from beneath and fully engage.

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