made in Germany
megawood®
www.megawood.com/en

CONSTRUCTION PLAN

DECKING SYSTEM WITH VARIO FIX

megaplaner 3d
PLANNING SOFTWARE

_virtually as an app in your own garden
_downloadable for tablet and smartphone

CERTIFIED
cradle to cradle
GOLD

Planning principles

GENERAL INFORMATION

- The basis for all installation variants is the megawood® construction plan! No warranty in case of deviations from the construction plan or when using non-original megawood® articles!
- In accordance with the principles of constructive wood protection, the decking boards should be laid lengthwise with a sufficient slope so that water is always directed away from the deck. If these instructions are followed, you will reduce the build-up of organic substances, water stains and waterlogging.
- For deck structures with an open gap, a minimum slope of 2% is recommended. For structures with a closed gap, a minimum slope of 2% is mandatory.
- The unique geometry of the DELTA decking board with cross-structuring makes it possible to lay the boards without any slope at all.
- Always ensure sufficient under- and rear-ventilation, e.g. with the megawood® ventilation grille.
- **Use our PREMIUM 21 x 242 mm decking boards (with 40 cm centre distance) or DYNUM 25 x 293 mm decking boards (with 65 cm centre distance) for applications that require building approval (abZ Z-10.9-506).**
- When building the terrace, wind load must be taken into account as a lifting load in the construction.
- For special constructions that deviate from this construction plan or from the online planner, it is necessary to consult with the manufacturer and obtain the appropriate approval in order to maintain a possible warranty claim.
- Ensure that the decking can expand without being constrained (boards must be at least 20 mm away from fixed components).
- Rod-shaped components that are attached to a rigid surface using screws always have the fixed point in the centre and are mounted so that they can shift outwards in order to compensate for thermal expansion and expansion due to water absorption.
- **Predrill all holes before screwing.**
- When using metric screws, always pre-drill all holes so that the part to be fixed is 2 mm larger and the holding drill hole is exactly 0.5 mm smaller than the screw diameter!
- Select the material variants of punched parts, such as normal steel or stainless steel for staples and clips, to suit the structural conditions.
- All dimensions are to be checked on site!

PREPARATION AND SUBSTRUCTURE

- Create an **soil formation level** that is 500 mm larger all around than the decking, with a 4% slope.
- Avoid waterlogging by means of sufficiently dimensioned drainage! The formation of water-bearing layers is an integral part of the planning and execution. These are to be professionally designed by the respective planner and professionally implemented by the executing contractor.
- Create a stable and frost-resistant **gravel or crushed stone bed** with a 2% slope and level with fine grit (to even out any unevenness).
- Lay construction beams swivelled towards each other.
- Do not fill the cavities between the construction beams, concrete kerbstones or VARIO FIX!
- Avoid ground contact of megawood® decking boards and construction beams! (Exception: articles from the construction timber programme in free-standing vertical installation)
- The substructure with connector allows the construction of terraces larger than 12 x 12 m without the need for an expansion joint.

DECKING BOARD ASSEMBLY

- Colour, brush and planing differences in the boards are intentional and emphasise the natural wood look. To enhance this effect, mix the boards before laying them. If specified, the laying direction must be observed (see arrow in the board groove or on the label)!
- Rhombus profiles have a matt surface and therefore differ from the decking boards colours.
- Do not exceed a maximum of 50 mm plank overhang above the substructure!
- Take into account and check the assembly and production-related dimensional tolerances of length, width and thickness during assembly!
- Boards may warp due to high internal stresses if cut to width on the side. Use flooring and clamping tools during installation.
- The boards should be cut at right angles and all cut edges should be chamfered for constructive wood protection.
- Do not expose products made of rubber-containing materials (groove strip, gap profile P5) to higher thermal loads, and lay them at the same temperature level as the boards. Do not store in direct sunlight. Recommended laying temperature 5° - 25°C. Do not pull or stretch.

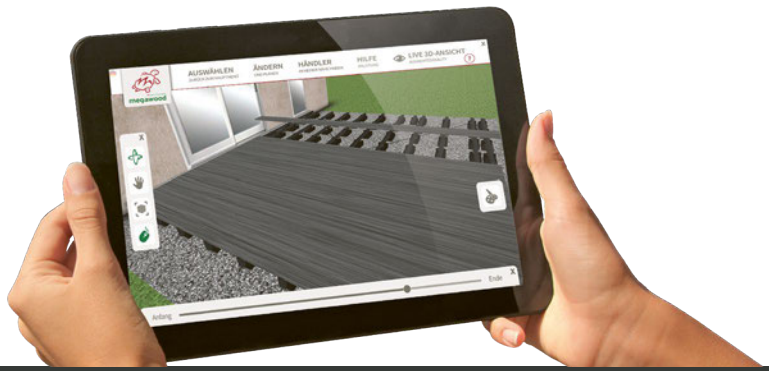
You should provide shade for your terrace on hot summer days when the sun is at its strongest. This protects children's sensitive feet from overheating surfaces. It also prevents skin damage caused by excessive UV radiation. Being aware of how to protect yourself from strong sunlight guarantees a carefree experience.

Online Planner

This basic construction plan explains the standard installation options for rectangular decks with lengthwise installation. Special shapes, mitre cuts, bracing and diagonal installation are individually displayed in our megaplaner.
www.megawood.com/en/megaplaner

GET IT ON Google Play

Download on the App Store



YOUR SPECIALIST RETAILER

IMPRINT
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Artikelübersicht

VARIO FIX I (40-143)
70 x 295 x 148 mm

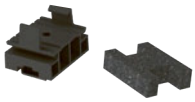
VARIO FIX II (44-242)
70 x 295 x 148 mm

CONSTRUCTION BEAM
80 x 60 mm | L: 400 cm

CONSTRUCTION BEAM
40 x 60 mm | L: 360 cm

CONNECTOR
for construction beams
28 x 76 mm | L: 360 cm

RUBBER PAD
300 x 300 mm,
Thickness: 3/5/10 mm



ATTACHMENT / COMFORT PAD
for improved stepping comfort
(additional height of 50 mm)

PERFORATED TAPE
L: 10 m (on a roll)

ASSEMBLY CLIP
78 x 40 x 20 mm

FASTENING SCREW
M6 x 16 MM for perforated tape,
with nut and washer

LOCKING CLAMP and
LOCKING EDGE CLAMP
incl. screws (4 x 30 mm)

OR

CLIP and **EDGE CLIP**
incl. screws (4 x 30 mm),
srew bit TX 20

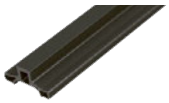
GROOVE BRIDGE
55 x 8 x 10 mm, for fastening the
locking clamp on a construction
beam gap

DISTANZ FIX
incl. screws
Spacers for butt joints at the
head end (when laying in a bond)

ARRETIER FIX
for locking the butt joints
at the correct height

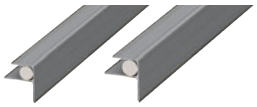
SCREW SET
4 x 30 mm

RETAINING BAND
L: 10 m (on a roll),
self-adhesive

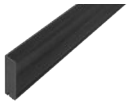


GROOVE STRIP
L: 25/100 m (on a roll),
for closed gap
(CLASSIC, PREMIUM,
PREMIUM PLUS)

GAP PROFILE P5
L: 25/100m (on a roll)
for closed gap
(CLASSIC Varia)



HOUSE CONNECTION PROFILE
incl. foam profile (compression band)
21 mm | L: 400 cm
silver, bronze, anthracite
25 mm | L: 400 cm
silver, anthracite



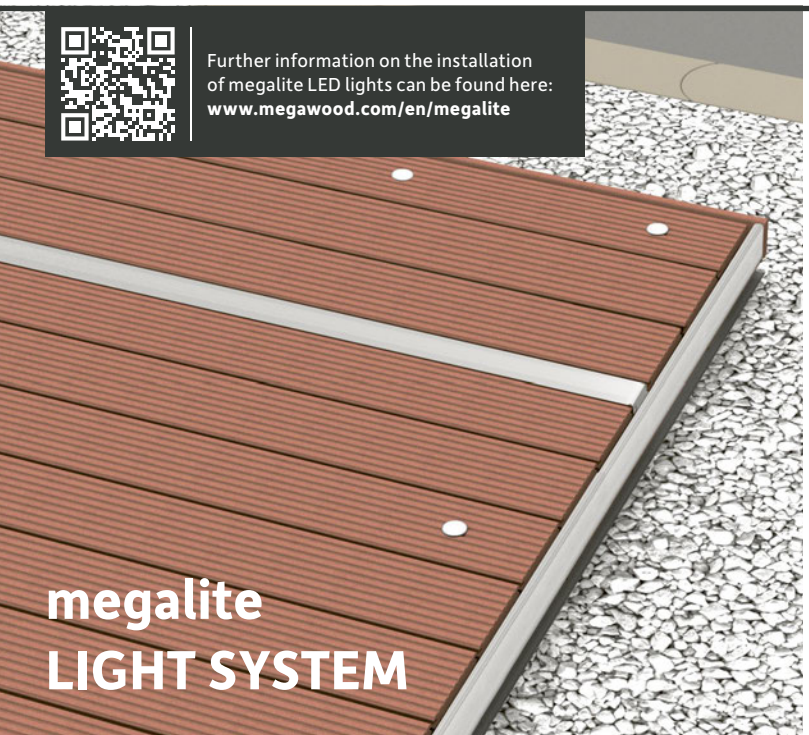
RHOMBUS PROFILE
as closing strip
20,5 x 81 mm | L: 420 cm
available for all board colours

FASTENING SCREW
M8 x 40 MM and M8 x 80 MM
(bolt with nut and washer)
for rhombus profile (as closing strip)

SCREW M6 x 40 MM
for fixing short pieces of boards
when making bevelled or mitre
cuts as well as installing ventila-
tion grilles

ZAMMER | ROLLI
for the locking clamp fastening,
Zammer attachment for the
retraction of the gap profile P5

DISTANCE KEEPER
Installation aid for setting
the board gaps
(approx. 5 and 8 mm)



Further information on the installation
of megalite LED lights can be found here:
www.megawood.com/en/megalite

megalite
LIGHT SYSTEM

LED-LINEAR-LIGHTS

H: 21 mm; W: 62 mm
L: 3.600 mm (27 W, 729 lm)
4.800 mm (36 W, 972 lm)
6.000 mm (45 W, 1215 lm)
27 lm/W; 24 V DC IP65
Aluminium/plastic

LED-SPOT MINI/MAXI

Ø 34 mm (0,25 W, 10 lm)
Ø 60 mm (0,5 W, 28 lm)
24 V DC IP67
Stainless steel

- Install spots maximally 50 mm away from a construction beam.
  If necessary, lay an additional beam.
- Mount the horizontal linear lights like boards and the vertical linear lights like closing strips.
- The linear lights can be shortened individually and are therefore easily adaptable to the size of the deck.

Additional accessories: Radio control set, repeater, splitter and extensions for the connections

Deck covering I

GCC HOLZart

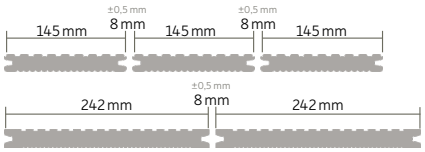
CLASSIC

Combination board, finely corrugated surface on one side, grooved on the other side, brushed on both sides,
8 mm gap (closed gap with groove strip possible)

21 x 145 mm (Standard) | L: 300/360/420/480/540/600 cm
21 x 242 mm (Jumbo) | L: 420/480/600 cm

Colours	Rhombus profile
NUT BROWN	NUT BROWN
NATURAL BROWN	NATURAL BROWN
BASALT GREY	SEL GRIS
LAVA BROWN*	VARIA CHOCOLATE BLACK
SLATE GREY	VARIA GREY

* Colour Lava Brown only for CLASSIC 21 x 145 mm



PREMIUM | PREMIUM PLUS

oscillating planed top side, brushed underside
8 mm gap (closed gap with groove strip possible)

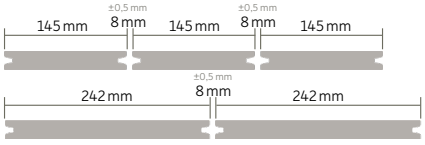
21 x 145 mm (Standard) | L: 420/480/600 cm
21 x 242 mm (Jumbo)* | L: 420/480/600 cm

abZ* (National Technical Approval)

cfl-s1 FLAME RETARDANT **

Colours	Rhombus profile
NATURAL BROWN	NATURAL BROWN
NUT BROWN*	NUT BROWN
BASALT GREY*	SEL GRIS
LAVA BROWN (PLUS)**	VARIA CHOCOLATE BLACK
SLATE GREY (PLUS)**	VARIA GREY

* The national technical approval (abZ) with 40 cm centre distance only for PREMIUM 21 x 242 (Jumbo) in Nut Brown and Basalt Grey
** Flame retardant cfl-s1 only for PREMIUM PLUS 21 x 145 mm and 21 x 242 mm



SIGNUM

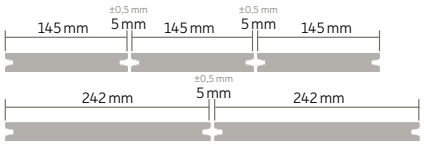
one-sided, oscillating planed and polished surface with a colour gradient,
5 mm gap (only open deck possible)

21 x 145 mm (Standard) | L: 360/420*/480*/540/600* cm
21 x 242 mm (Jumbo) | L: 360/420/480/540/600 cm

cfl-s1 FLAME RETARDANT **

Colours	Rhombus profile
MUSKAT	VARIA BROWN
TONKA	VARIA GREY
ANISE*/**	ANISE
MALUI GREY*/**	SEL GRIS
MENTHA NIGRA*/**	MENTHA NIGRA
VARIA CHOCOLATE BLACK*/**	VARIA CHOCOLATE BLACK

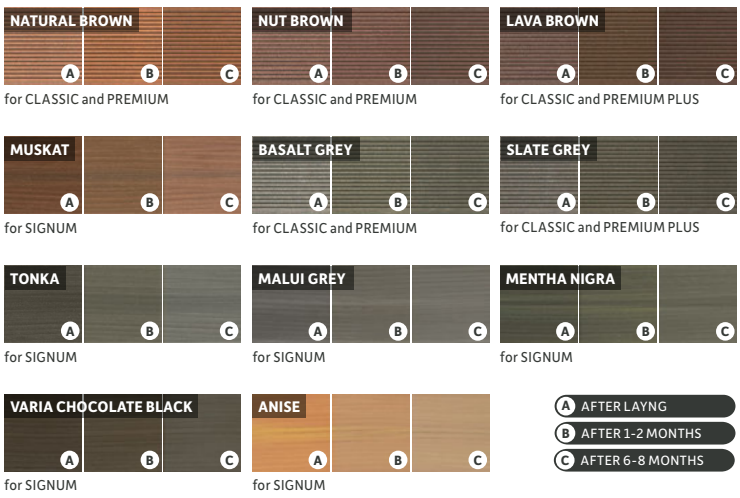
* Colours Anise, Malui Grey, Mentha Nigra and Varia Chocolate Black only for SIGNUM 21 x 145 mm in the lenghts 420/480/600 cm
** Flame retardant cfl-s1 only for SIGNUM 21 x 145 mm in the colours Anise, Malui Grey, Mentha Nigra and Varia Chocolate Black



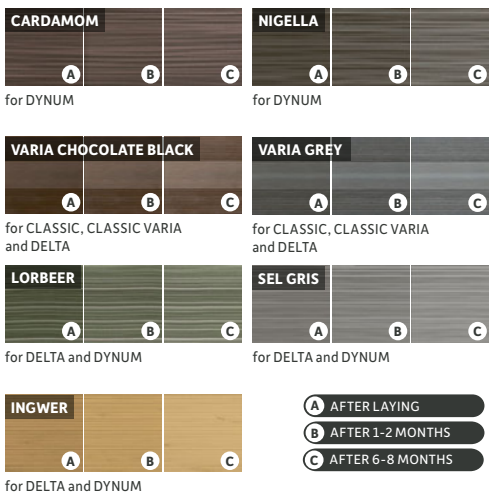
Color development

You can find details about our colours and the colour development of individual products at:
www.megawood.com/en/colours

GCC HOLZart



GCC HARZart



Deck covering II

GCC HARZart

CLASSIC

Combination board, finely corrugated surface on one side with colour gradient, grooved on the other side with colour gradient and medullary ray, 8 mm gap (closed gap with groove strip possible)

21 x 145 mm | L: 420/480/600 cm

FLAME RETARDANT

Colours	Rhombus profile
VARIA GREY	VARIA GREY
VARIA CHOCOLATE BLACK	VARIA CHOCOLATE BLACK

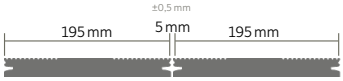
CLASSIC VARIA

one-sided, partially grooved and matted surface with colour gradient, 5 mm gap (closed gap possible with gap profile P5)

21 x 195 mm | L: 420/480/600 cm

FLAME RETARDANT

Colours	Rhombus profile
VARIA CHOCOLATE BLACK	VARIA CHOCOLATE BLACK
VARIA GREY	VARIA GREY



GCC HARZart

DELTA

one-sided, matted and textured surface, some colours with colour gradient, 5 mm gap (only open deck possible)

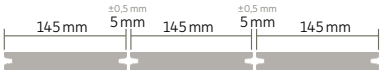
21 x 145 mm | L: 420/480/600 cm

0% GRADIENT

FLAME RETARDANT

Colours	Rhombus profile
INGWER	INGWER
SEL GRIS	SEL GRIS
LORBEER	LORBEER
VARIA GREY*	VARIA GREY
VARIA CHOCOLATE BLACK*	VARIA CHOCOLATE BLACK

* Colour gradient only for colours Varia Grey and Varia Chocolate Black



DYNUM

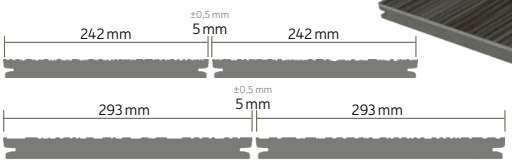
one-sided, textured and matted surface, 5 mm gap (only open deck possible)

21 x 242 mm (Jumbo)* | L: 420/480/600 cm
25 x 293 mm (Maxi)** | L: 420/480/600 cm

abZ** (National Technical Approval)

FLAME RETARDANT

Colours	Rhombus profile
NIGELLA**	VARIA GREY
CARDAMOM**	VARIA CHOCOLATE BLACK
INGWER*	INGWER
SEL GRIS*	SEL GRIS
LORBEER*	LORBEER



* Colours Ingwer, Sel Gris and Lorbeer only for DYNUM 21 x 242 mm
** The national technical approval (abZ) with 65 cm centre distance only for DYNUM 25 x 293 mm in Nigella and Cardamom

OUR GCC WOOD-BASED MATERIAL IS CERTIFIED AS CRADLE TO CRADLE CERTIFIED® IN THESE CATEGORIES:

GCC
German Compact Composite

	BRONZE	SILVER	GOLD	PLATINUM
Material Health*			✓	✓
Product Circularity			✓	
Clean Air & Climate Protection			✓	
Water & Soil Stewardship			✓	
Social Fairness			✓	

CERTIFIED cradle to cradle GOLD

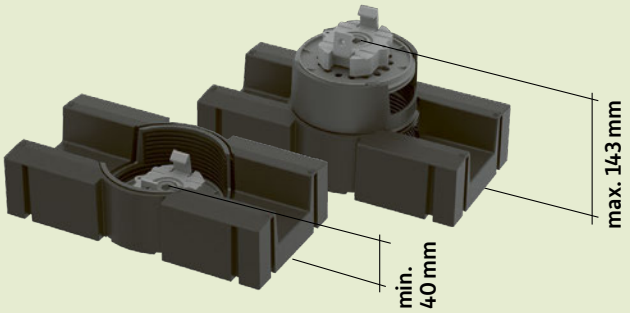
*GCC HOLZart achieves PLATINUM, GCC HARZart achieves GOLD in material health.
More information about the certification at www.megawood.com/en/c2c
Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute

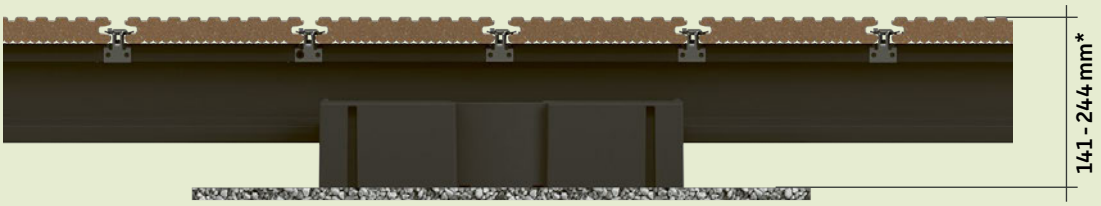
megawood® products fulfil the criteria for sustainable construction and green building:

LEED
DGNB System
BREEAM®

Construction heights

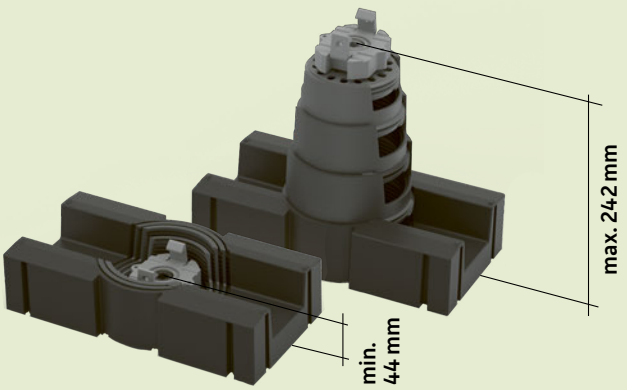
VARIO FIX I (40-143) with construction beam 80 x 60 mm

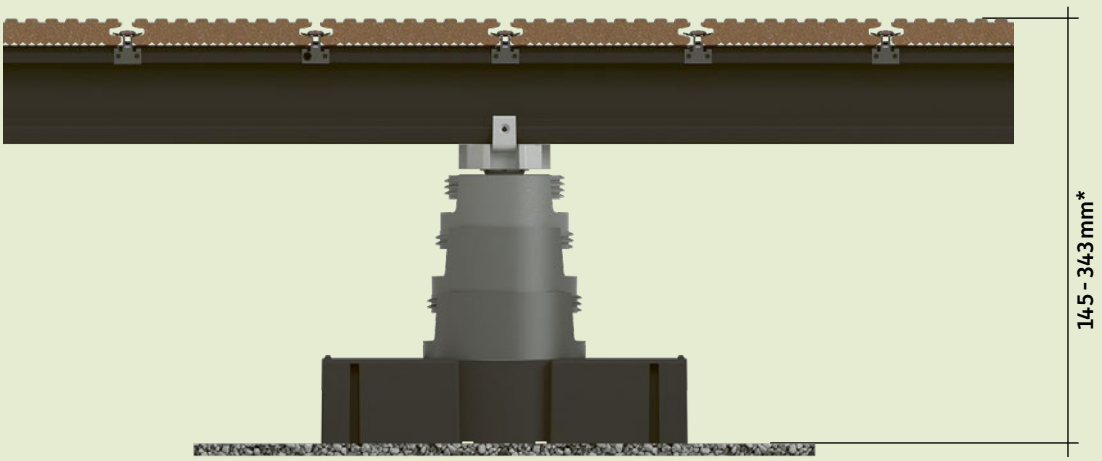




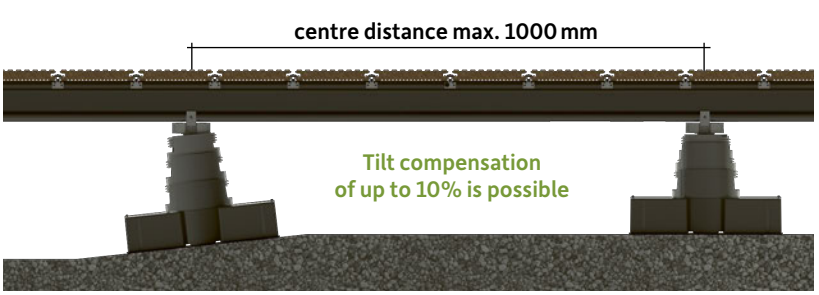
* Example with 21 mm board

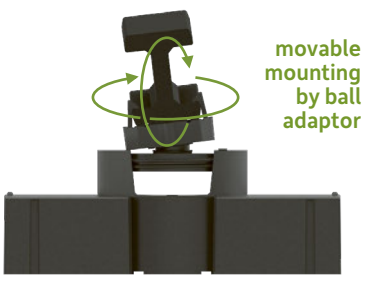
VARIO FIX II (44-242) with construction beam 80 x 60 mm





* Example with 21 mm board





MOUNTING WITH VARIO FIX

and construction beam 80 x 60 mm

Follow the planning principles during mounting! You can also find your individual construction drawing online in the terrace planner.

SUB-CONSTRUCTION

1
- Adjust the height of the VARIO FIX mounts to the structural conditions by turning the threaded rings. The mount with ball adapter can be moved in all directions and allows a tilt compensation of up to 10%.
  » Optional: For improved stepping comfort, simply click the comfort pad and attachment piece into the VARIO FIX mount (plus 50 mm construction height).
- Place rows of two parallel VARIO FIX at each end of the deck. Used to hold two construction beams (CB) as a double substructure. Centre distance 180 mm (see detail 4a).
- Place single VARIO FIX evenly and parallel between the double rows to carry the substructure. **Observe maximum permissible centre distances!**
- If more space is required: VARIO FIX can be positioned at an angle to the CB as soon as the CB overlaps the VARIO FIX base plate.

2
- Click the construction beam with the profiled side down into the VARIO FIX mount.

3
- If the deck is wider than the length of the inserted CB (4 m), always arrange the joints of the CB so that they are swivelled towards each other. Connect the joints (10 mm spacing, see detail 4b) with a connector. Drill a 12 mm hole in the centre of the connector for water drainage and screw it on to one CB on one side only. **Align the construction beams exactly with each other!**

4

4a PREPARATORY MOUNTING FOR CLOSING STRIP OF RHOMBUS PROFILES ALONG SIDE
- If it is necessary to place a joint in the rhombus profiles on the long side of the boards, this must be done with an 8 mm gap. To do this, place a second VARIO FIX in parallel and mount a CB piece (length 500 mm).
  Attention: CB pieces must be attached to the boards above them using locking clamps.
  » Tip: When the boards are laid in a brick bond, the substructure that is necessary and laid twice under the board joint is used to attach the joint of the rhombus profiles.

4b PREPARATORY MOUNTING FOR RHOMBUS PROFILES ON A CB JOINT
- Incorporate all joints in the substructure at the edges into the joint pattern of the rhombus profiles. Make vertical joints between the rhombus profiles with a spacing of 8 mm.
- To fix the rhombus profiles, make substrate elements (see step 15). Fix these flush at each connector in the edge area, then mount the connectors.

5
- Place the perforated tape below the CB and screw it to all CBs using a mounting shoe. Arrange the perforated tape diagonally in rectangular sections.

6
- Saw the CB along the first row of boards 10 mm from the edge, 5 mm deep and at least 15 mm horizontally. Place the locking edge clamp in the groove and lock it with the CB.

7
- Stick the retaining band on each of the CBs centred under each board.
  » Tip: For brick bond with Distance Fix, stick on each CB retaining band (see installation in brick bond).

8
- Insert the first board into the house connection profile (optional). **Never push in the compression band!**
- Press the board into the positioned locking edge clamps.

9

9a OPEN GAP
- Insert the locking clamp into the Zammer (or tongs), place it on the CB, slide it into the board groove and lock it.

9b CLOSED GAP
- **Only in the elevated construction from 161 mm and with at least 2% longitudinal slope of the decking boards!**
- Place the locking clamp on the CB and lock it with a Zammer or pliers.
- Place the groove strip on the locking clamp and slide both together into the board groove.
  » Tip: The gap profile P5 for 5 mm longitudinal joints in the CLASSIC Varia board can only be rolled in after the board has been mounted using a Zammer and Rolli attachment (see mounting notes).

LAYING BOARDS

10
- Check that the first board is correctly seated and at the right angle.
- Lay the next row of boards, using distance keepers (for 5/8 mm gaps) and flooring and clamping and tools if possible.

11
- If necessary, use a groove bridge to securely fasten the locking clamp in the joint area of the CB as well.

12
- After a maximum of 1 m of boards have been laid, check that the boards are running in parallel. Screw the locking clamps of the row of boards to the CB with only light pressure, so that the locking clamps remain horizontal and do not twist.
- **Repeat steps 9 - 12 until you reach the penultimate row of boards!**

13
- Cut and saw the CB to size with a 10 mm overhang to the last row of boards (see detail 6). Lay the last row of boards, place the locking edge clamp in the groove and lock it with the CB.

14
- Cut the boards to length at the front edge. Allow a minimum overlap of 15 mm, or 34 mm if using rhombus profiles, but no more than 50 mm. Chamfer the cut edges.

MOUNTING RHOMBUS PROFILE

15
- Before mounting the rhombus profiles, prepare additional substructure elements and attach them to the entire edge area.
- To do this, screw together sufficiently long CB pieces that are swivelled diagonally at the lower part of the CB.
- On the long side of the deck, attach the rhombus profiles flush to each end face of the CB.
- At the front edge of the deck, place the CB pieces 3 mm outwards. In addition, place sufficiently long pieces of rhombus profiles past the locking clamps and attach them flush to the CB piece using screws. For longer pieces, screw on twice (see detail 18). Distribute further substructure elements evenly along the outermost CB. **Observe the maximum permissible centre distances!**

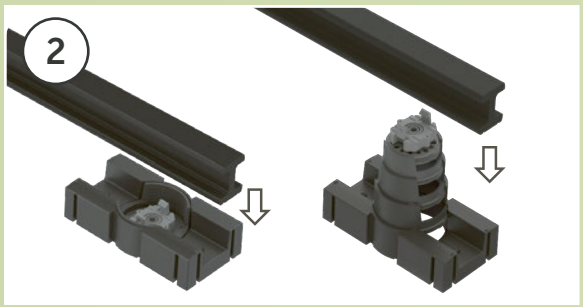
16
- Use an M8 x 80 mm screw with a washer and nut on the front side of the boards to fix and align the rhombus profile. Alongside the boards, place the rhombus profile flush against the CB (for CB 80 x 60 mm also flush against the CB pieces, see detail 18) and connect directly with an M8 x 40 mm screw. **Pay attention to distances, gap pattern (10 mm all around the boards) and different screw lengths!**
- Make vertical joints between the rhombus profiles with a gap of 8 mm (see detail 4a).

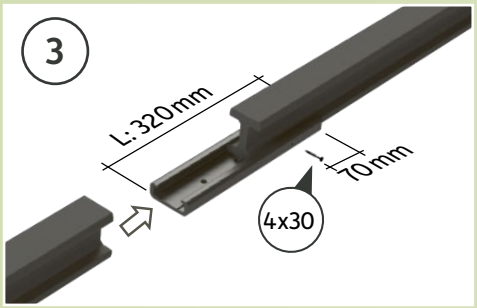
17
- Install corner connections of rhombus profiles as butt joints or with mitre cuts, each with a gap (see corner solution mounting options). In doing so, match the slope of the rhombus profiles. Chamfer the edges.

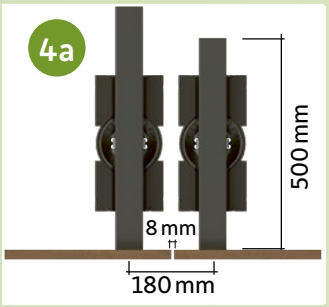
18
- If several rhombus profiles are placed one below the other, create a horizontal gap of 15 mm.
  » Tip: Horizontal gaps from 5 mm are also possible if sufficient under-ventilation is provided on site.
- Leave a gap of at least 15 mm between the lowest rhombus profiles and the ground, if necessary cut the rhombus profile to size (cut off a max. of 1/3).

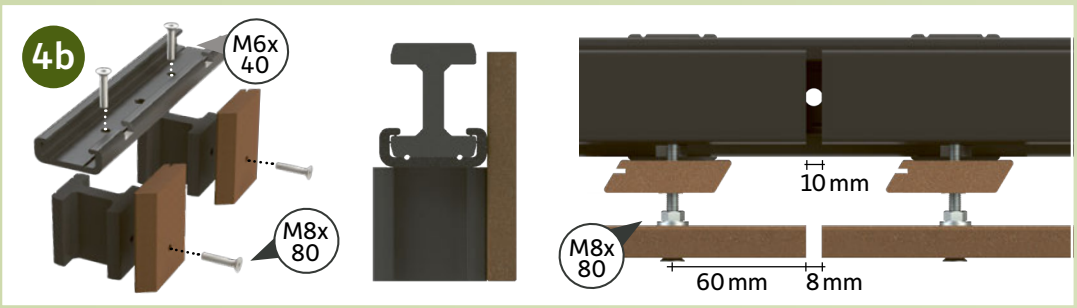
MOUNTING WITH VARIO FIX

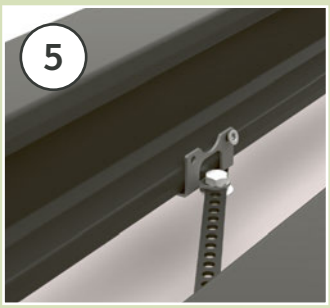
and construction beam 80 x 60 mm

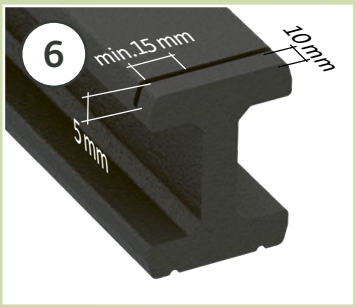


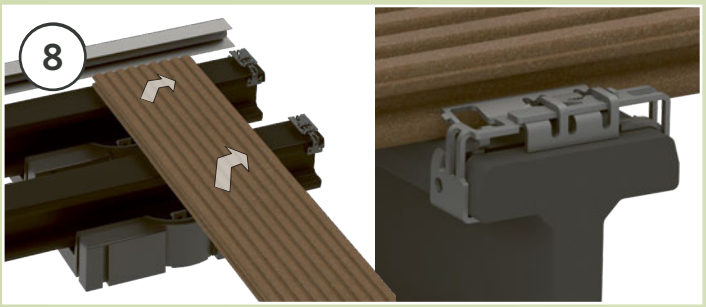


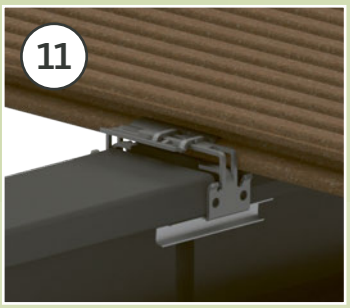


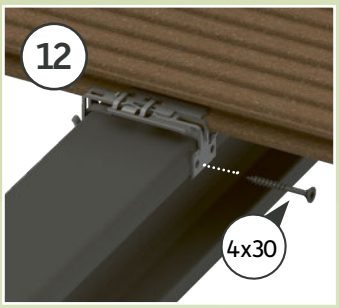


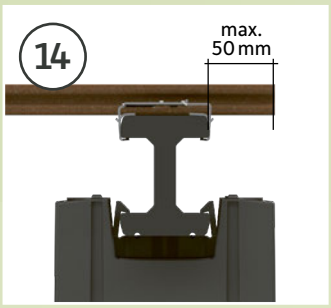


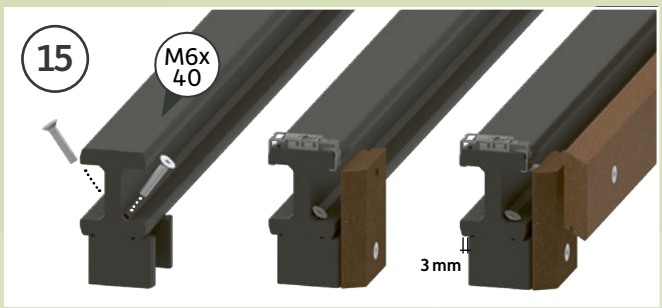


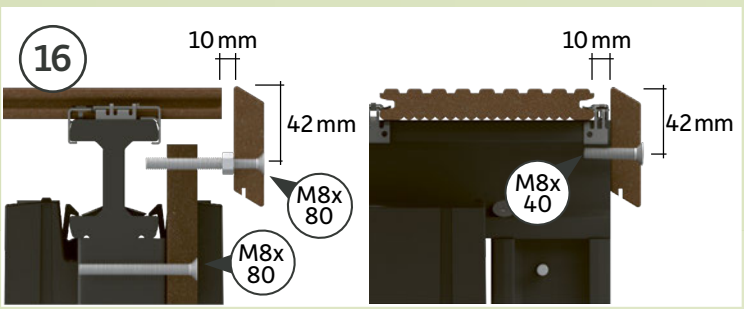


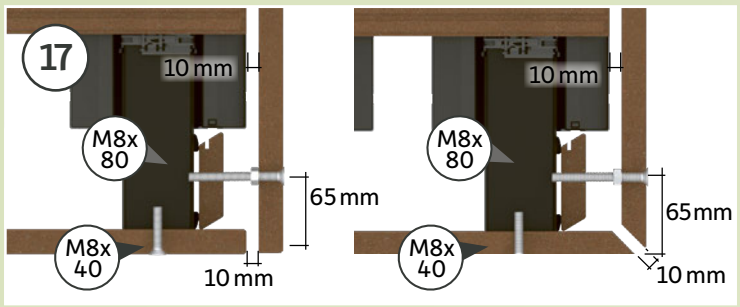


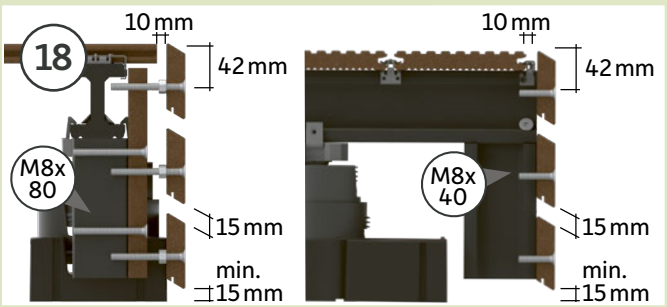








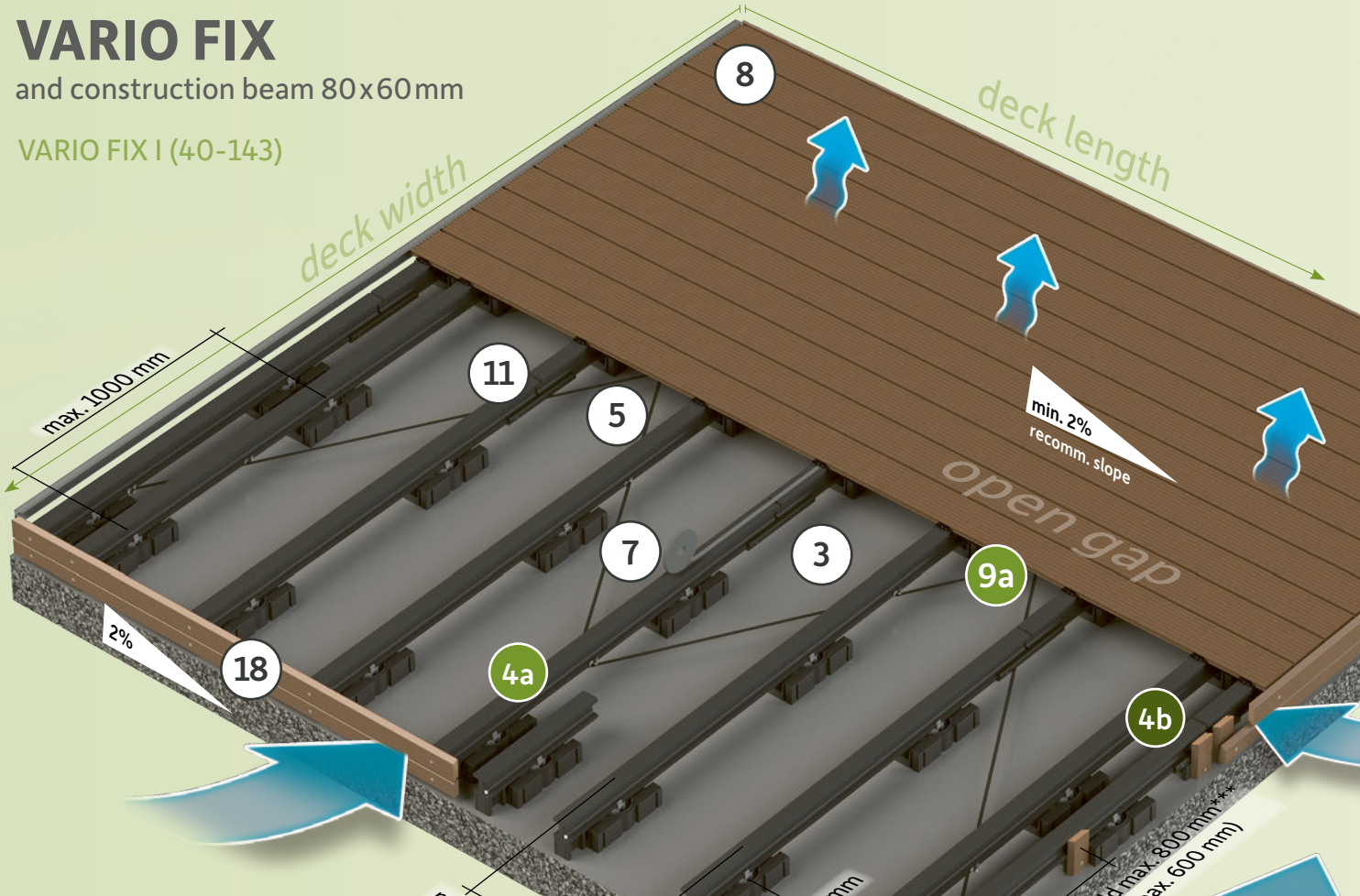




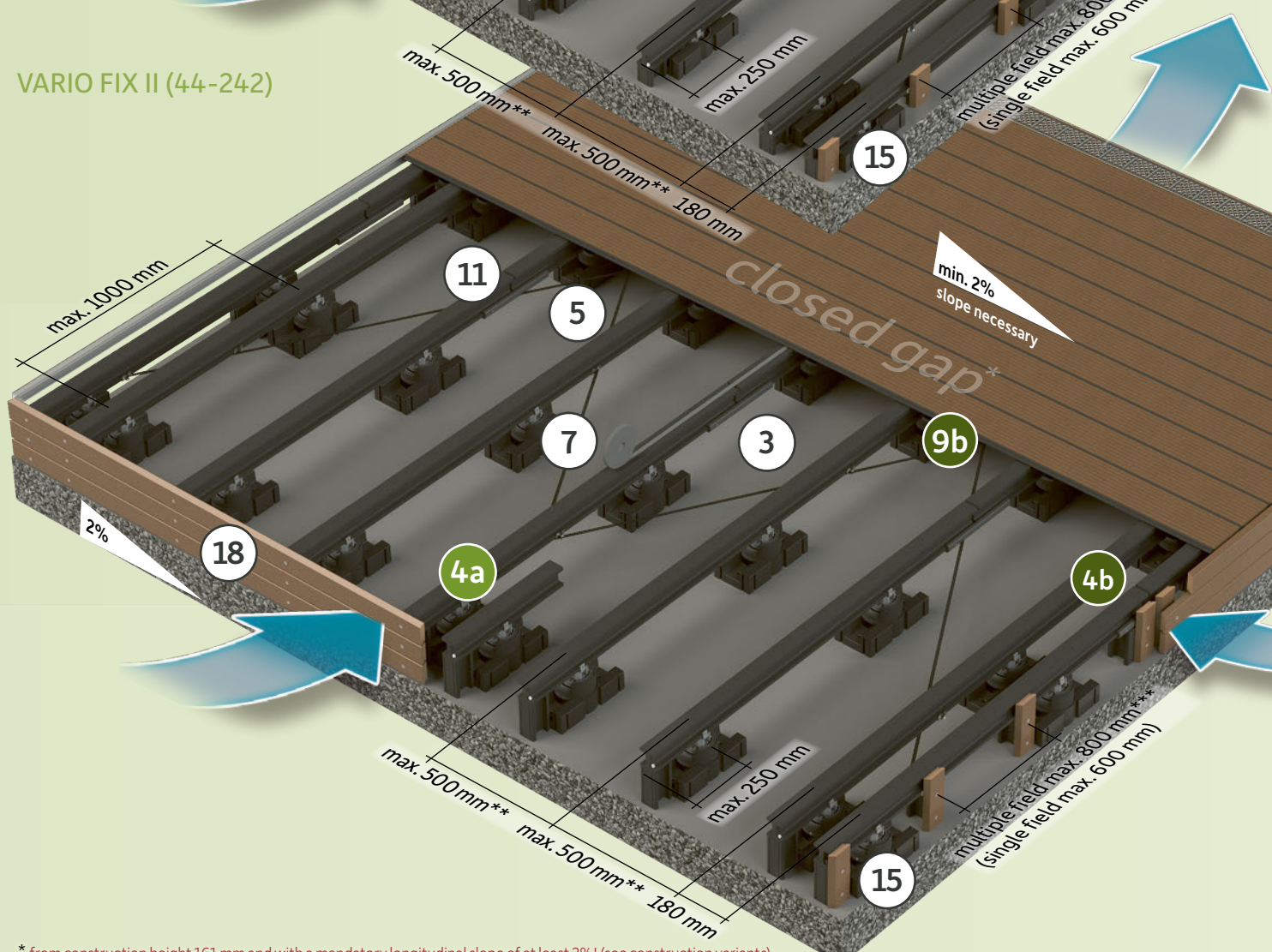
MOUNTING WITH VARIO FIX

and construction beam 80 x 60 mm

VARIO FIX I (40-143)



VARIO FIX II (44-242)

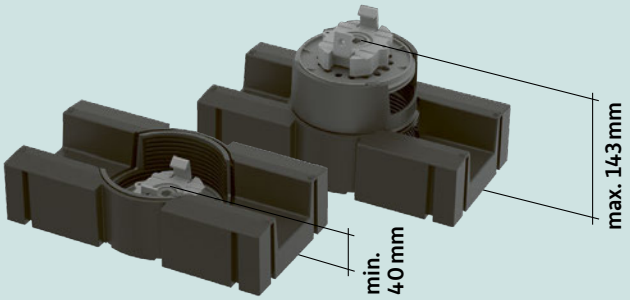


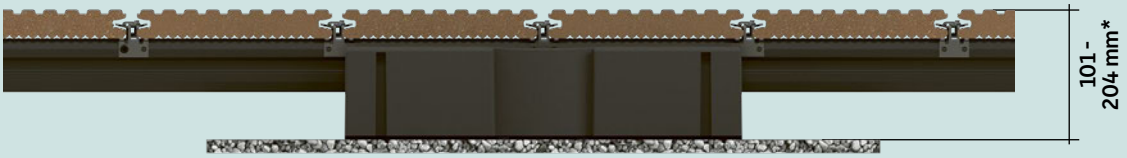
* from construction height 161 mm and with a mandatory longitudinal slope of at least 2%! (see construction variants)

** DYNUM 25 x 293 mm up to max. 650 mm

*** Recommendation: measure the distances from the front sides of the sub-construction beams and use them on the long sides of rhombus profiles.

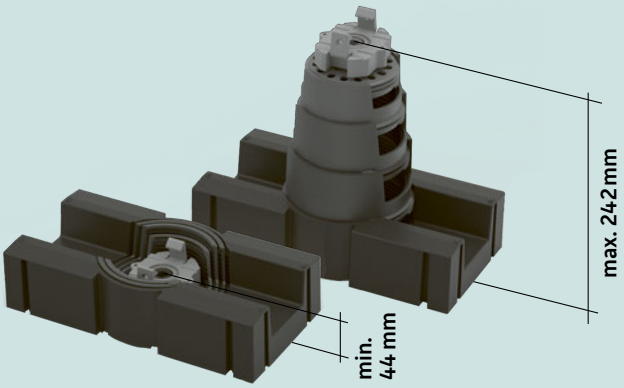
VARIO FIX I (40-143) with construction beam 40 x 60 mm

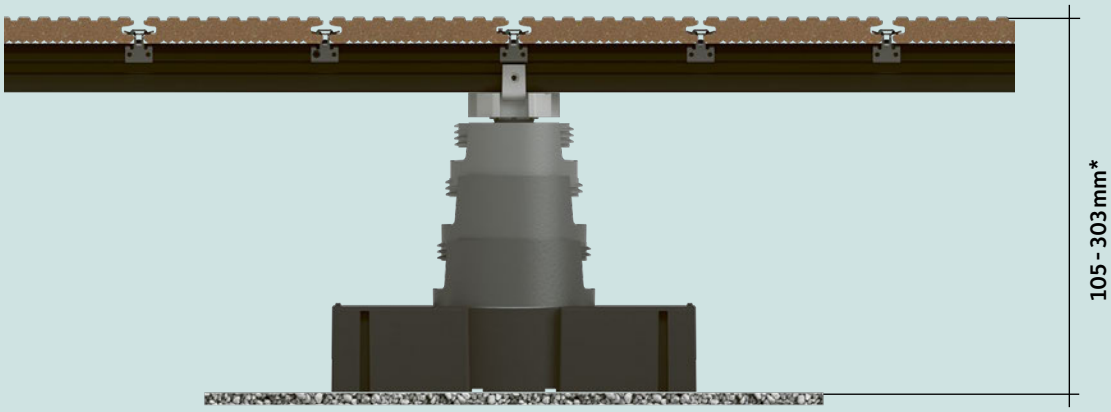




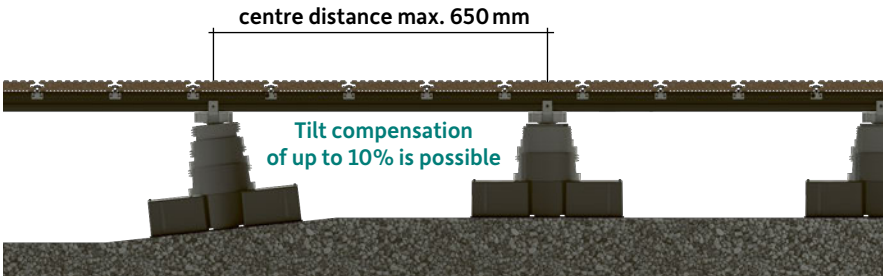
* Example with 21 mm board

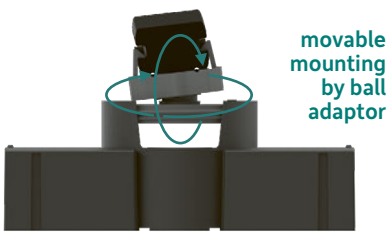
VARIO FIX II (44-242) with construction beam 40 x 60 mm





* Example with 21 mm board





MOUNTING WITH VARIO FIX

and construction beam 40 x 60 mm

Follow the planning principles during mounting! You can also find your individual construction drawing online in the terrace planner.

SUB-CONSTRUCTION

1

- Adjust the height of the VARIO FIX mounts to the structural conditions by turning the threaded rings. The mount with ball adapter can be moved in all directions and allows a tilt compensation of up to 10%.
  » Optional: For improved stepping comfort, simply click the comfort pad and attachment piece into the VARIO FIX mount (plus 50 mm construction height).
- Place rows of two parallel VARIO FIX at each end of the deck. Used to hold two construction beams (CB) as a double substructure. Centre distance 180 mm (see detail 4a).
- Place single VARIO FIX evenly and parallel between the double rows to carry the substructure. **Observe maximum permissible centre distances!**
- If more space is required: VARIO FIX can be positioned at an angle to the CB as soon as the CB overlaps the VARIO FIX base plate.

2

- Click the construction beam with the profiled side down into the VARIO FIX mount.

3

- If the deck is wider than the length of the inserted CB (3.6 m), always arrange the joints of the CB so that they are swivelled towards each other. Connect the joints (10 mm spacing, see detail 4b) with a connector. Drill a 12 mm hole in the centre of the connector for water drainage and screw it on to one CB on one side only. **Align the construction beams exactly with each other!**

4

4a PREPARATORY MOUNTING FOR CLOSING STRIP OF RHOMBUS PROFILES ALONG SIDE

- If it is necessary to place a joint in the rhombus profiles on the long side of the boards, this must be done with an 8 mm gap. To do this, place a second VARIO FIX in parallel and mount a CB piece (length 500 mm).
  Attention: CB pieces must be attached to the boards above them using locking clamps.
  » Tip: When the boards are laid in a brick bond, the substructure that is necessary and laid twice under the board joint is used to attach the joint of the rhombus profiles.

4b PREPARATORY MOUNTING FOR RHOMBUS PROFILES ON A CB JOINT

- Incorporate all joints in the substructure at the edges into the joint pattern of the rhombus profiles. Make vertical joints between the rhombus profiles with a spacing of 8 mm. Leave a 20 mm wide and 10 mm deep recess in the connector where the rhombus profile is screwed in the edge area.
- To fix the rhombus profiles, make substrate elements (see step 15). Fix these flush at each connector in the edge area, then mount the connectors..

5

- Place the perforated tape below the CB and screw it to all CBs using a mounting shoe.
  Arrange the perforated tape diagonally in rectangular sections.

6

- Saw the CB along the first row of boards 10 mm from the edge, 5 mm deep and at least 15 mm horizontally.
  Place the locking edge clamp in the groove and lock it with the CB.

7

- Stick the retaining band on each of the CBs centred under each board.
  » Tip: For brick bond with Distance Fix, stick on each CB retaining band (see installation in brick bond).

8

- Insert the first board into the house connection profile (optional). **Never push in the compression band!**
- Press the board into the positioned locking edge clamps.

9

9a OPEN GAP

- Insert the locking clamp into the Zammer (or tongs), place it on the CB, slide it into the board groove and lock it.

9b CLOSED GAP

- **Only in the elevated construction from 161 mm and with at least 2% longitudinal slope of the decking boards!**
- Place the locking clamp on the CB and lock it with a Zammer or pliers.
- Place the groove strip on the locking clamp and slide both together into the board groove.
  » Tip: The gap profile P5 for 5 mm longitudinal joints in the CLASSIC Varia board can only be rolled in after the board has been mounted using a Zammer and Rolli attachment (see mounting notes).

LAYING BOARDS

10

- Check that the first board is correctly seated and at the right angle.
- Lay the next row of boards, using distance keepers (for 5/8 mm gaps) and flooring and clamping and tools if possible.

11

- If necessary, use a groove bridge to securely fasten the locking clamp in the joint area of the CB as well.

12

- After a maximum of 1 m of boards have been laid, check that the boards are running in parallel. Screw the locking clamps of the row of boards to the CB with only light pressure, so that the locking clamps remain horizontal and do not twist.
- **Repeat steps 9 - 12 until you reach the penultimate row of boards!**

13

- Cut and saw the CB to size with a 10 mm overhang to the last row of boards (see detail 6).
  Lay the last row of boards, place the locking edge clamp in the groove and lock it with the CB.

14

- Cut the boards to length at the front edge. Allow a minimum overlap of 15 mm, or 34 mm if using rhombus profiles, but no more than 50 mm. Chamfer the cut edges.

MOUNTING RHOMBUS PROFILE

15

- Before mounting the rhombus profiles, prepare additional substructure elements and attach them to the entire edge area.
- To do this, screw together sufficiently long CB pieces that are swivelled diagonally at the lower part of the CB.
- On the long side of the deck, attach the rhombus profiles flush to each end face of the CB.
- At the front edge of the deck, place the CB pieces 3 mm outwards. In addition, place sufficiently long pieces of rhombus profiles past the locking clamps and attach them flush to the CB piece using screws. For longer pieces, screw on twice (see detail 18). Distribute further substructure elements evenly along the outermost CB. **Observe the maximum permissible centre distances!**

16

- Use an M8 x 80 mm screw with a washer and nut on the front side of the boards to fix and align the rhombus profile. Alongside the boards, place the rhombus profile flush against the CB (for CB 80 x 60 mm also flush against the CB pieces, see detail 18) and connect directly with an M8 x 40 mm screw. **Pay attention to distances, gap pattern (10 mm all around the boards) and different screw lengths!**
- Make vertical joints between the rhombus profiles with a gap of 8 mm (see detail 4a).

17

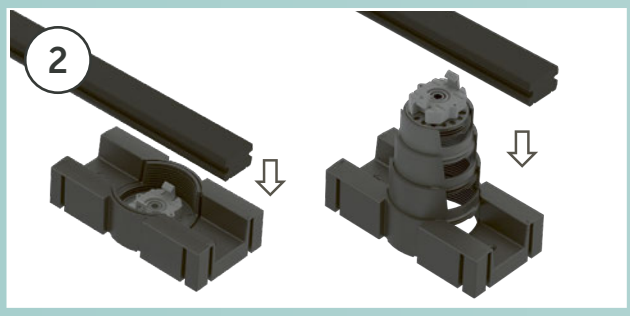
- Install corner connections of rhombus profiles as butt joints or with mitre cuts, each with a gap (see corner solution mounting options).
  In doing so, match the slope of the rhombus profiles. Chamfer the edges.

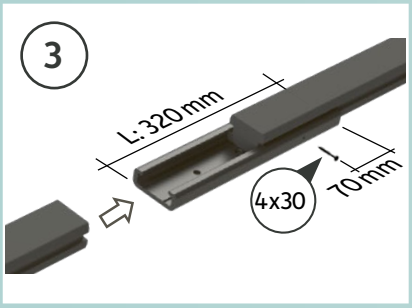
18

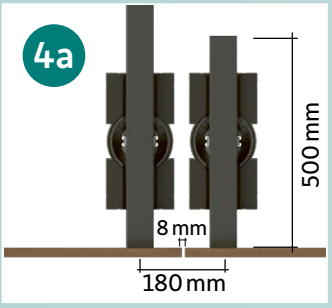
- If several rhombus profiles are placed one below the other, create a horizontal gap of 15 mm.
  » Tip: Horizontal gaps from 5 mm are also possible if sufficient under-ventilation is provided on site.
- Leave a gap of at least 15 mm between the lowest rhombus profiles and the ground, if necessary cut the rhombus profile to size (cut off a max. of 1/3).

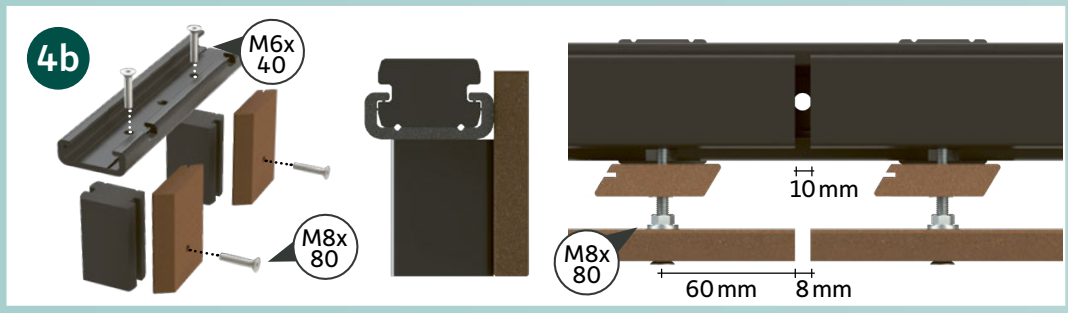
MOUNTING WITH VARIO FIX

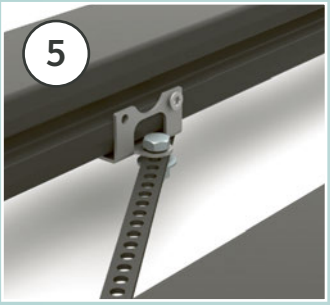
and construction beam 40 x 60 mm

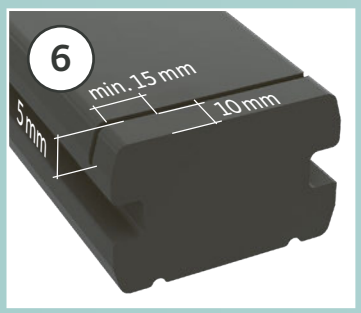


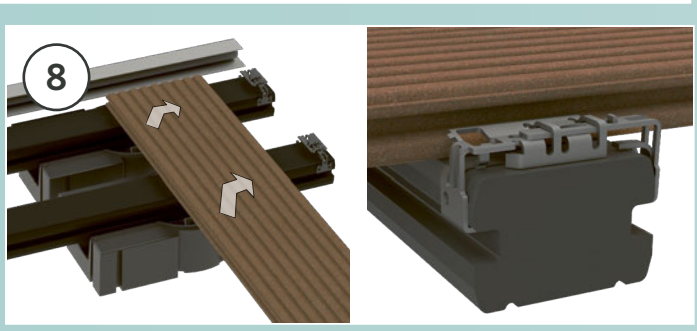


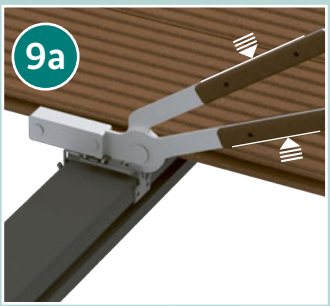


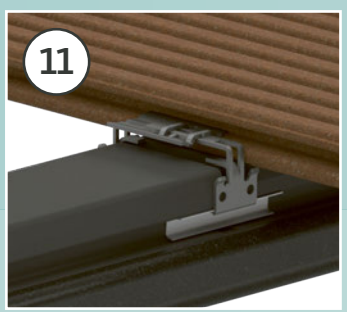


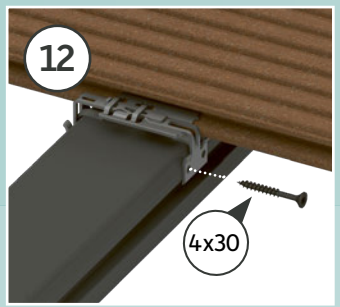


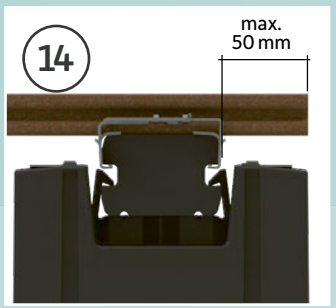


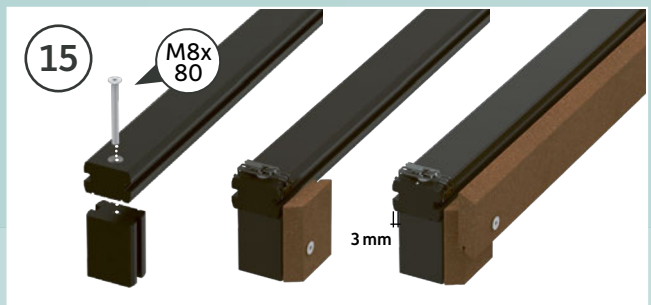


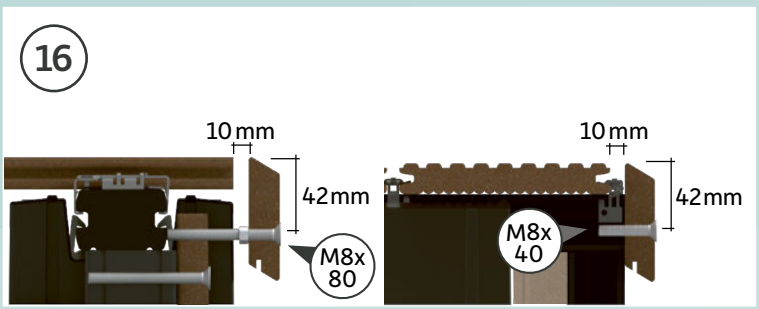


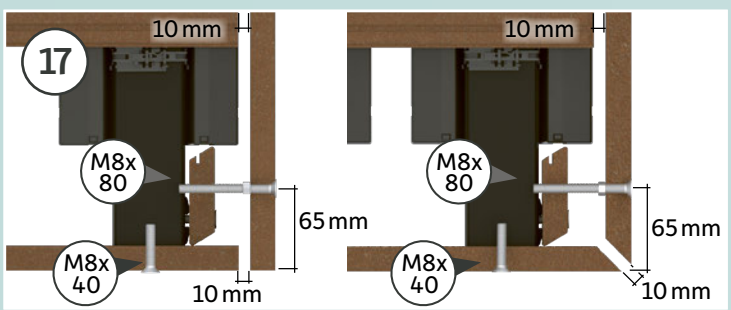


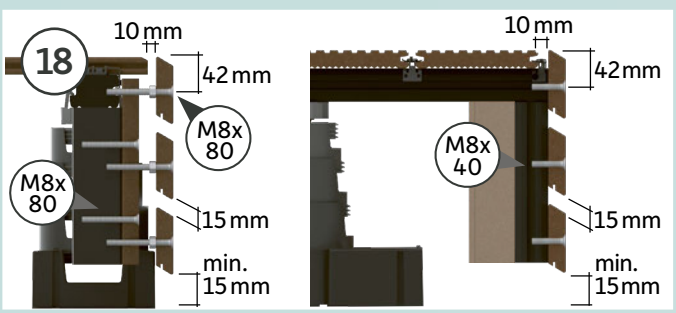








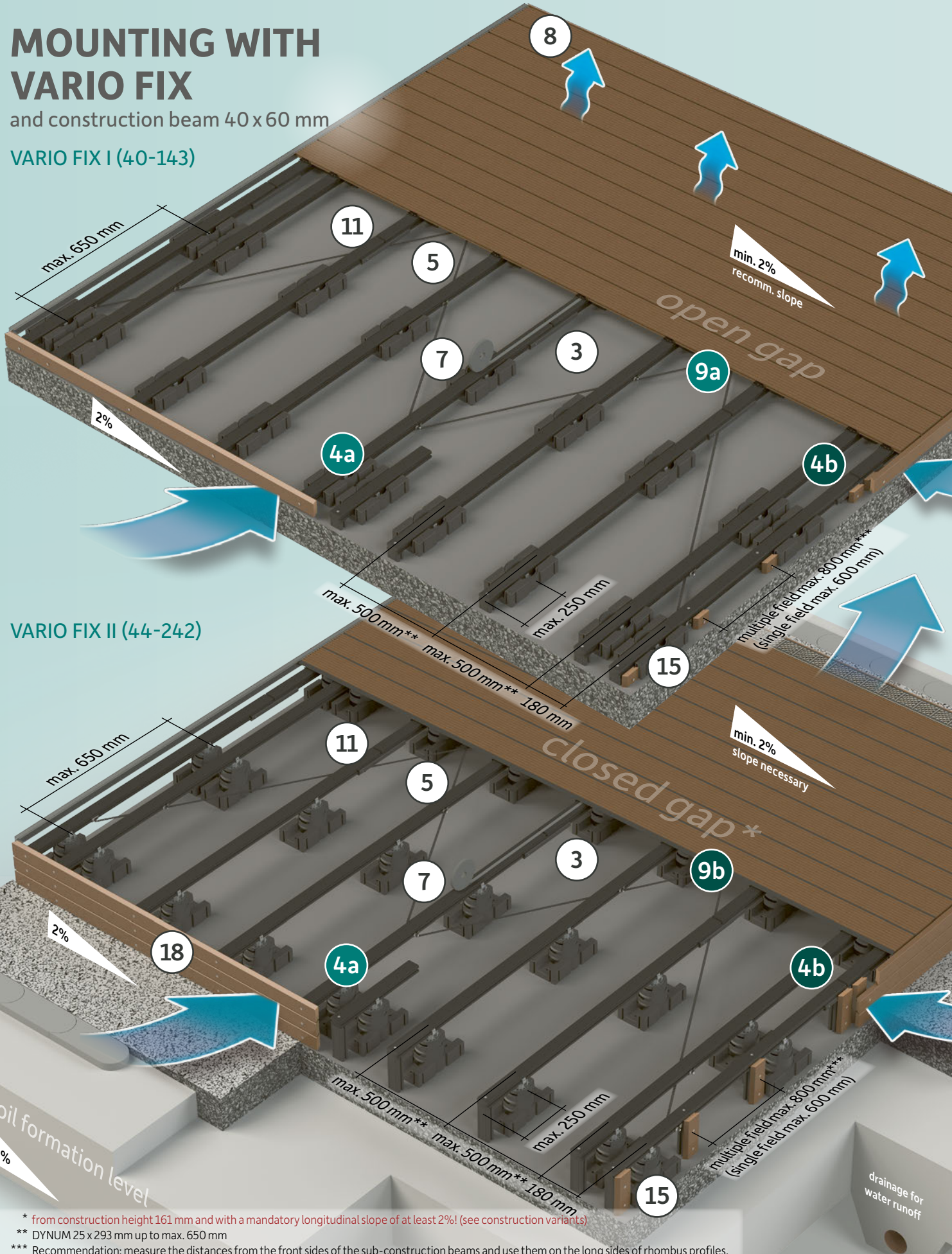




MOUNTING WITH VARIO FIX

and construction beam 40 x 60 mm

VARIO FIX I (40-143)



VARIO FIX II (44-242)

* from construction height 161 mm and with a mandatory longitudinal slope of at least 2%! (see construction variants)

** DYNUM 25 x 293 mm up to max. 650 mm

*** Recommendation: measure the distances from the front sides of the sub-construction beams and use them on the long sides of rhombus profiles.

Additional mounting notes for detailed procedures and special features in construction, including for locking clamps, clips and DISTANZ FIX, can be found under this QR code or at:
www.megawood.com/en/mountingnotes

MOUNTING NOTES

Specific features in construction II

CONSTRUCTION ON ROOF TERRACES OR OLD STONE/STONEWARE SURFACES

- When constructing on roofing membranes, old stone or old stoneware surfaces, the VARIO FIX must be positioned on suitable building protection mats. Ensure that the drainage is sufficiently dimensioned to guarantee complete water runoff.
- Position the VARIO FIX on sufficiently dimensioned rubber pads and do not place it directly on the old surface.

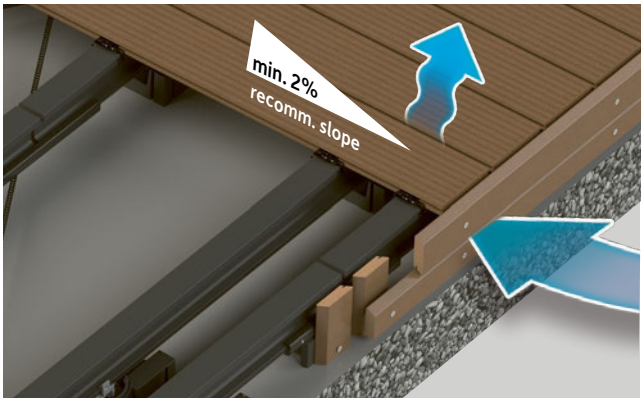
IMPORTANT! Coordinate the type of construction with an architect or professional company. It is recommended that the roof terrace be bordered with a gravel border (grain size 32 x 64 mm).

WEIGHTING AGAINST LIFTING WIND LOADS

- When used for floating construction with VARIO FIX, additional weights such as concrete slabs can be used to secure the deck against wind loads if the deck's own weight is insufficient for the respective wind load zone.
- The counterweight must be professionally calculated and professionally executed by the respective planner, taking into account the building geometry, the building height, the ceiling statics and the regional wind load zone.
- To do this, attach an additional layer of substructure in a cross bracing in the affected areas of the deck.
- The distance between the layers of the construction beams should be chosen so that the decking boards do not make contact with the concrete slabs and sufficient space remains for ventilation.

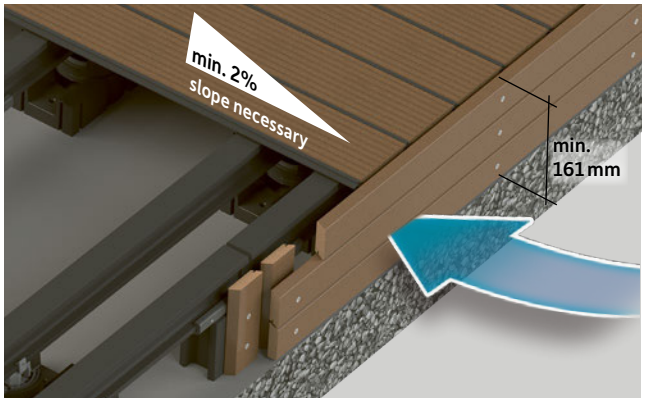
Construction variants

OPEN GAP



without groove strip / gap profile P5

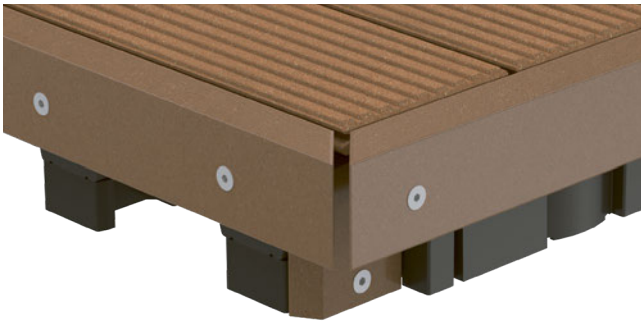
CLOSED GAP



with groove strip / gap profile P5

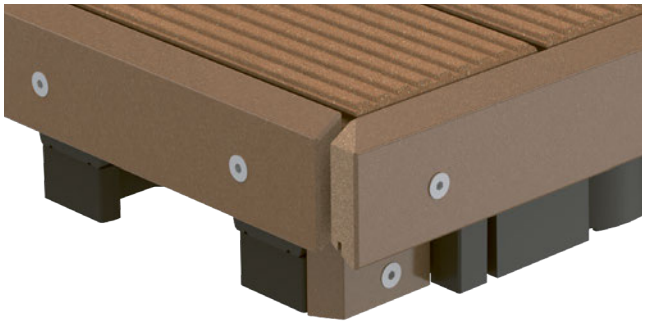
Only with elevated construction of at least 161 mm, mandatory minimum 2% longitudinal slope of the boards and mandatory sufficient under- and rear-ventilation (e.g. use of ventilation grilles, rhombus profile spacing).

EDGE SOLUTION MITRE CUT 17



with rhombus profile as closing strip

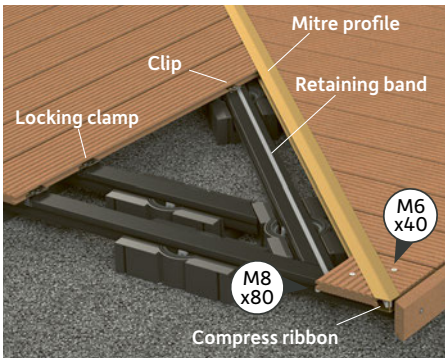
EDGE SOLUTION BUTT JOINT 17



with rhombus profile as closing strip

Specific features in construction I

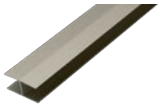
MITRED CONSTRUCTION FOR L-, U-, O- SHAPED DECKS



- Double substructure along the 45° mitre cut.
- Glue the compress ribbon into the mitre profile on both sides.
- Insert the board only 10 mm into the mitre profile to ensure expansion.
- For oblique or mitre cuts, short pieces of board (those that can be attached to the substructure with fewer than three locking clamps or clips) are screwed from above to the construction beam (M6 x 40 mm screw).

ADDITIONAL ITEMS

MITRE PROFILE
21 mm | L: 4 m
silver, bronze, anthracite

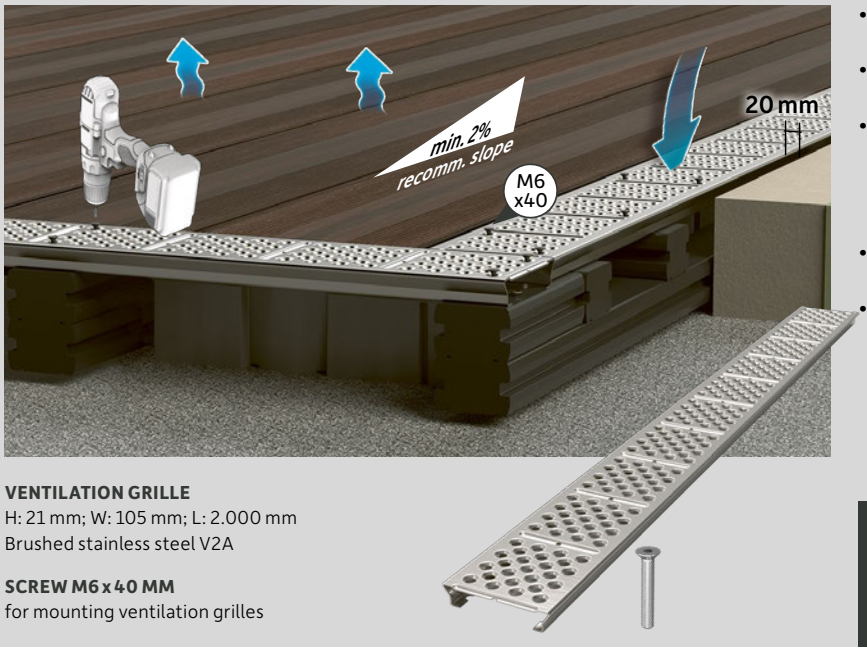


CLIP & EDGE CLIP
incl. screws
(4 x 30 mm), screw bit TX 20

COMPRESS RIBBON
expands up to 20 mm
L: 13 m (on a roll)

SCREW M6 x 40 MM
for fixing short pieces of boards

GROUND-LEVEL CONSTRUCTION AND VENTILATION GRILLE



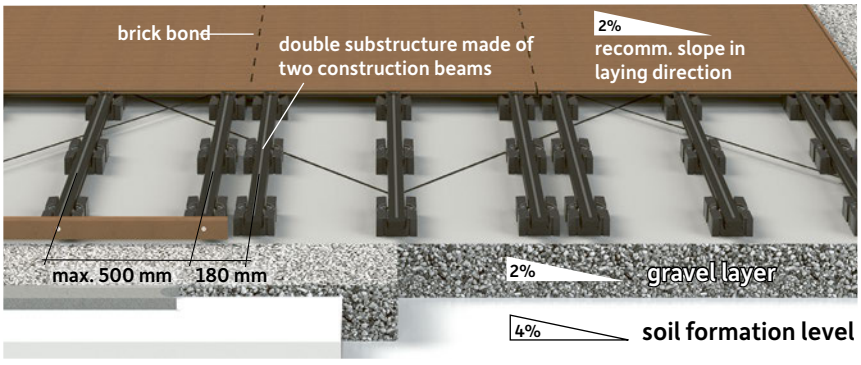
VENTILATION GRILLE
H: 21 mm; W: 105 mm; L: 2.000 mm
Brushed stainless steel V2A

SCREW M6 x 40 MM
for mounting ventilation grilles

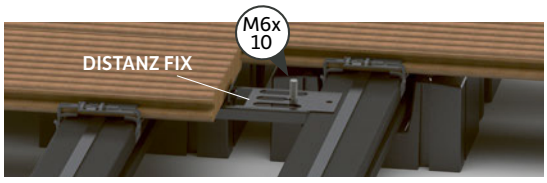
- Terrace decking is constructed at ground level and forms a level surface with the surrounding terrain edge.
- A distance of at least 20 mm must always be maintained between the boards and any fixed, upstanding components.
- The ground-level deck can be designed with a closed gap if the construction height of 161 mm or more, a minimum longitudinal slope of 2% and a circumferential ventilation grille or other structural measures for sufficient under- or rear-ventilation are strictly adhered to.
- For ground-level construction of boards with 5 mm gaps, always use ventilation grilles.
- Use of the ventilation grille (even in the raised deck or with closed gaps) to improve air circulation under the deck and achieve a longer lifespan for the entire deck.

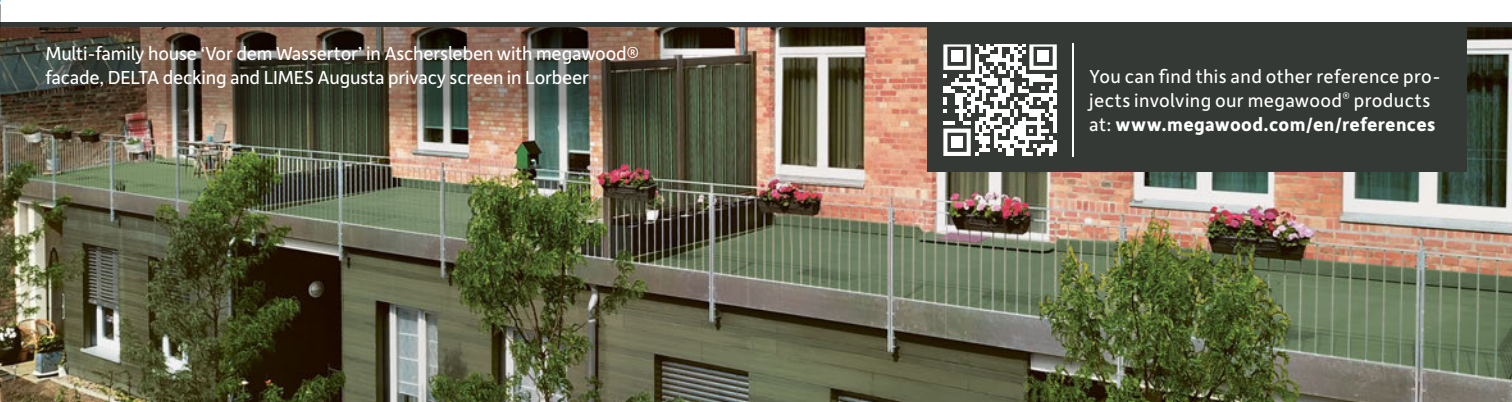
You can find mounting notes and information about the ventilation grille at: **www.megawood.com/en/ventilation**

DECKING WITH BRICK BONDING PATTERNS



- A double substructure must be installed at each area of butt joints.
- The DISTANZ FIX is positioned between the double construction beams to form the distance of the butt joints and screwed to the outer boards.
- When using the DISTANZ FIX, each construction beam must be provided with a retaining band. The retaining band must be attached next to the DISTANZ FIX, which must not be placed on the band.





Multi-family house 'Vor dem Wassertor' in Aschersleben with megawood® facade, DELTA decking and LIMES Augusta privacy screen in Lorbeer

You can find this and other reference projects involving our megawood® products at: **www.megawood.com/en/references**

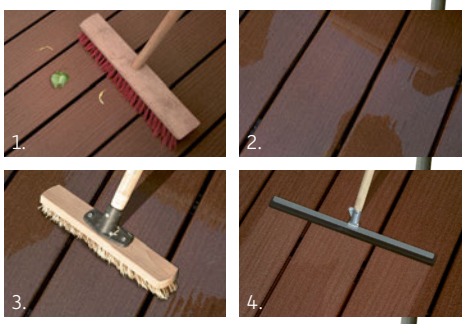
Care and Cleaning

CARE INSTRUCTIONS

After the successful construction of your megawood® deck, you should do a basic cleaning to remove production dust. A slope of at least 2% during construction helps to improve water drainage and minimise deposits. For a well-kept appearance, we recommend a basic cleaning twice a year, or more often if necessary. Temperatures above 15°C are ideal to make cleaning easier. Please proceed as follows:

1. Sweep dry, loose dirt from the decking.
2. Water the entire deck sufficiently and keep it damp for at least 15 minutes.
3. Clean the decking with water and a standard scrubbing brush or root brush.
   If it requires a great amount of cleaning, use a rotating surface cleaner as well.
4. Rinse the patio deck thoroughly with clear tap water, wipe off with a squeegee and allow to dry.

Many stains will disappear over time with the help of sun and rain. For more stubborn stains, you can also use our liquid cleaner **GCC Pure Wash** for boards made of GCC HOLZart and GCC HARZart. For very stubborn stains, you can use only on boards made of GCC HOLZart our **scouring powder** with the GCC scrubbing brush (corundum scrubbing brush). Please note the usage instructions on the labels and in our terrace pass.



Further information and instructions for use of our cleaning products, as well as videos with cleaning tips, can be found on the terrace pass or at:
www.megawood.com/en/cleaning

TERRACE PASS

REAL NATURAL FIBRES

Due to the raw material, small inclusions* of bast and natural fibres may occur. These may appear on the surface after weathering due to water absorption. Through use of the terrace, the particles will largely disappear over time. If they are found to be disturbing, they can also be removed mechanically. This does not impair or damage the product.

*In accordance with the EPLF, the particles that are visible from standing eye level under vertical incidence of light are used for assessment. The particle size must not exceed 0.5 cm2. A maximum of 0.03 % of the surface may be affected.


natural fibre inclusion before treatment


natural fibre entrapment after mechanical treatment

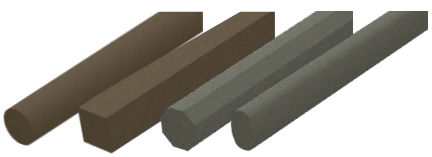
Related Products


LIMES PRIVACY SHIELD | GATE - AUGUSTA
PANEL FLUCTUS | PANEL SERRA
max. 190 x 185 cm

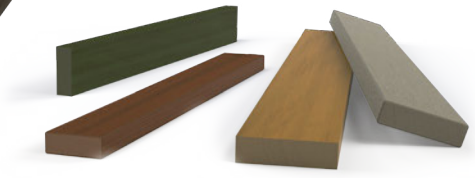

LIMES PRIVACY SHIELD - AUGUSTA WITH STAINLESS STEEL TRANSOM
PANEL FLUCTUS | PANEL SERRA
max. 190 x 185 cm


LIMES PRIVACY SHIELD - VALERIA
PANEL | POSTS VALERIA
max. 200 x 184 cm


LIMES HORIZONTAL FENCE - ASCANIA
max. 190 x 185 cm


CONSTRUCTION WOOD* AND POSTS**
ROUND | SQUARE | OCTAGONAL | OVAL
Ø 90 mm | 90 x 90 mm | 90 x 90 mm | 90 x 60 mm
L*: 360 cm | L**: 220/270 cm


RHOMBUS PROFILE
20,5 x 81 mm | L: 420 cm


CONSTRUCTION PLANK
40 x 112 mm | L: 360 cm
40 x 145 mm | L: 420 cm

Additional products for long-lasting outdoor use – harmoniously colour-matched with your megawood® decking – can be found in our magazine and at: **www.megawood.com/en/product-world**

MAGAZINE