





CONTENTS

GOOD TO KNOW

Ground type	P 5
Supports & rails	P 6
Accessories	P 7

INSTALLATION

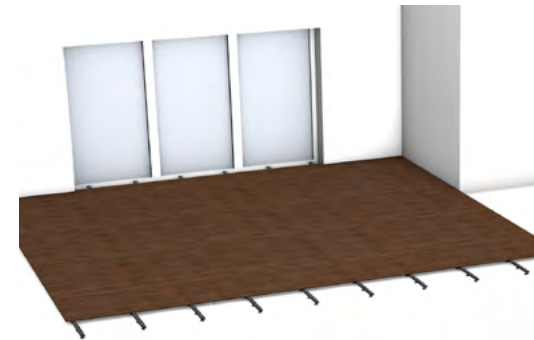
Cutting the rails	P 10
Fascia preperation	P 11
Assemble the pedestals	P 12
Position the pedestals	P 13
Attach the rails	P 14
Assemble the structure	P 15
Adaptation	P 16
Levelling	P 17
Fitting the fascia	P 18
Fitting the boards	P 19

GOOD TO KNOW

Decking Basics

01. GROUND TYPE

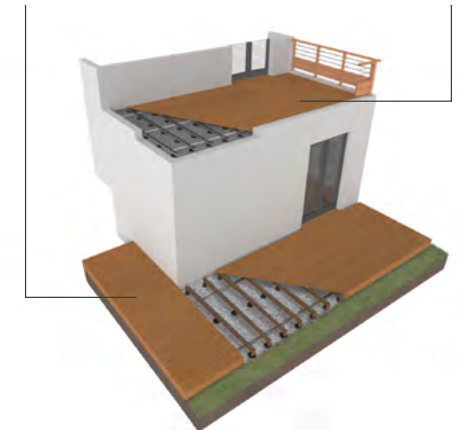
HARD GROUND



HARD GROUND: Designed for paving or or rough concrete, the structure is isolated from the ground by wedges of different heights, allowing rainwater to drain properly. This configuration reduces the overall height of the wooden deck to 4 cm.

STABLE GROUND

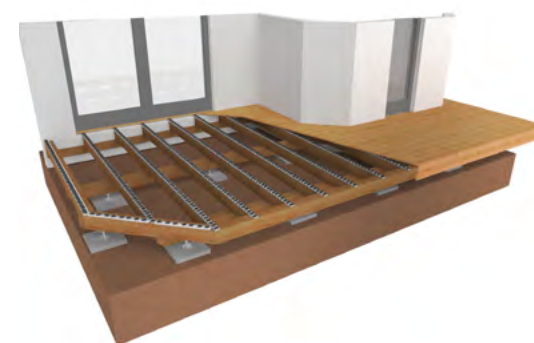
WATERPROOF GROUND



STABLE GROUND: The weight of a wooden deck rarely exceeds 30 kg/m², and the structure is flexible and interlocking. So, provided the ground is reasonably stable, it's possible to distribute the entire weight of the construction over multiple supports made of TOP LIFT® studs, without any risk of sinking.

WATERPROOF FLOOR: To protect the waterproofing membrane, Grad® deck rails rest on TOP LIFT® adjustable studs, specially designed for this purpose. Precisely calculated, these studs can easily support planters or other heavy products, without the risk of punching. For technical access, all our slats can be dismantled using keys.

UNSTABLE GROUND



UNSTABLE GROUND: This structure is designed for installation on ground considered unstable (freshly backfilled areas or areas subject to soil movement). The wooden structure rests on fixed foundation elements (concrete, foundation bolts) to ensure long-term support.

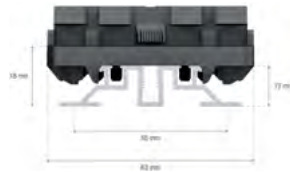
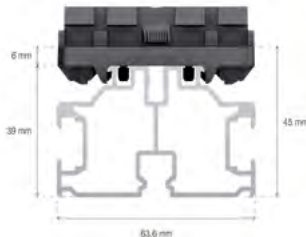
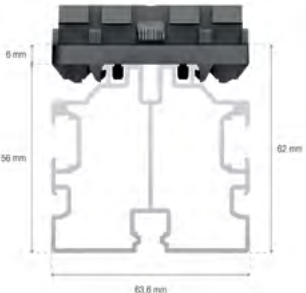
SELF-SUPPORTED DECKING WOOD OR METAL



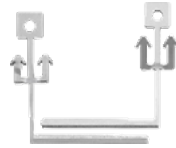
SELF-SUPPORTED DECKING: This decking structure rests on a wooden framework raised by posts, allowing the installation of rails and wooden decking for heights ranging from 620 mm to 4m.) The system can be totally self-supporting or linked to the facade, depending on the site configuration.

02. SUPPORT & RAILS

The rails used for cladding are mini rails, flat rail and PR24, available in 2m and 4m. As the enemy of cladding is weight, we won't be offering any «heavy» rails. The recommended center-to-center distance between rails is 65 cm maximum, to optimize the number of rails. Depending on the direction of installation, these rails may or may not be fixed with clips.

TOP RAIL réf 1189 réf 1971 réf 1190 réf 1808 	FLAT RAIL réf 1185 réf 1800 réf 1186 réf 2222 réf 1860 	PR24 réf 1191 réf 1970 réf 1192 réf 1801 
PR39 réf 1194 réf 1861 réf 1193 réf 1802 	PR56 réf 1197 réf 1972 réf 1196 réf 1803 	

03. ACCESSORIES

DISMANTLING KEYS réf 968 réf 1784 	TOP LINK réf 1488 (S) réf 1489 (L) 	SELF-ADHESIVE STRIP réf 1220 réf 1221 	HALF-CLIP réf 1485 	WEDGE CLIP réf 1486 
RISERS réf 1641 	SUPPORT réf 1499 	PEDESTAL réf 1181 	WEDGE CLIP réf 1486 	VENTILATION PLATE réf 1516 
ALUMINIUM TRIM réf 1205 réf 1206 	TOP CUBE réf 1498 	CORNER KIT réf 1503 	SPACER réf 1522 	FASCIA RAIL réf 1473 réf 1474 réf 1476 

PREPARE YOUR DECKING

Understanding the installation process

BEFORE YOU START

Transport & Storage

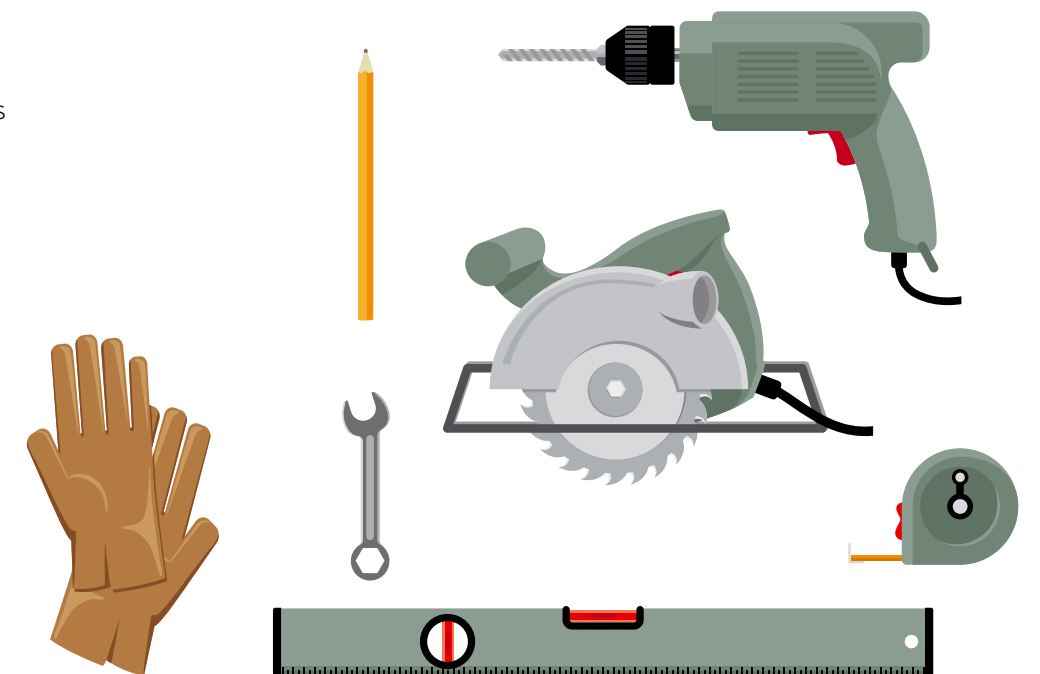
- Grad® rails should be transported in their original packaging and stored indoors before installation.
- Grad® rails can be stored outdoors for short periods before use.
- For the storage and installation of cladding strips always refer to the manufacturer's instructions.
- Only material that has been grooved to Grad's specifications may be used with Grad® rails.
- No heavy objects should be stored on top of the rails to avoid damage and/or deformation of the rails.

Safety instructions

- Wear protective clothing and safety equipment such as safety goggles, gloves, long sleeves and a mask, especially when cutting aluminium.
- The installer is responsible for compliance with safety instructions.
- Grad® accepts no responsibility for incorrect installation or failure to follow safety instructions.
- Grad® recommends that all projects be reviewed by a licensed architect, engineer or building official prior to installation.

TOOLS REQUIRED TO INSTALL A GRAD® DECKING

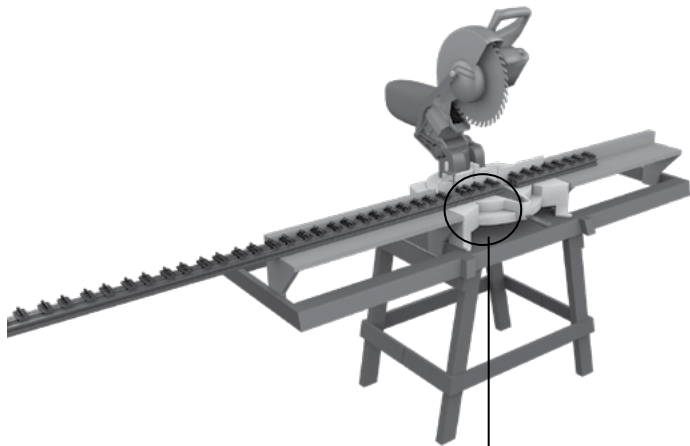
- Tape measure
- Pencil
- Gloves and safety glasses
- Ear protection
- Spanner
- Safety shoes
- Level
- Drill
- Saw
- Table saw



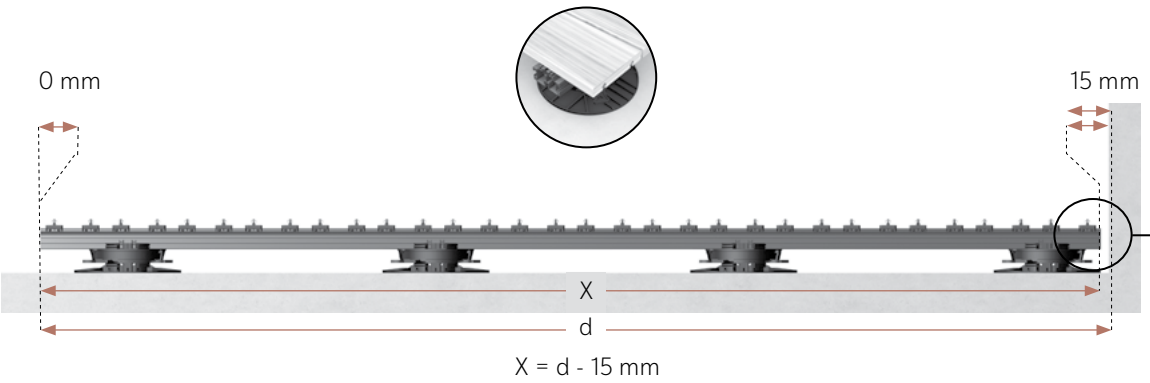
01. CUTTING THE RAILS

Wherever possible, use full-length rails. It may be necessary to cut the rails if the height of the wall is not 2 metres or a multiple of 2 metres.

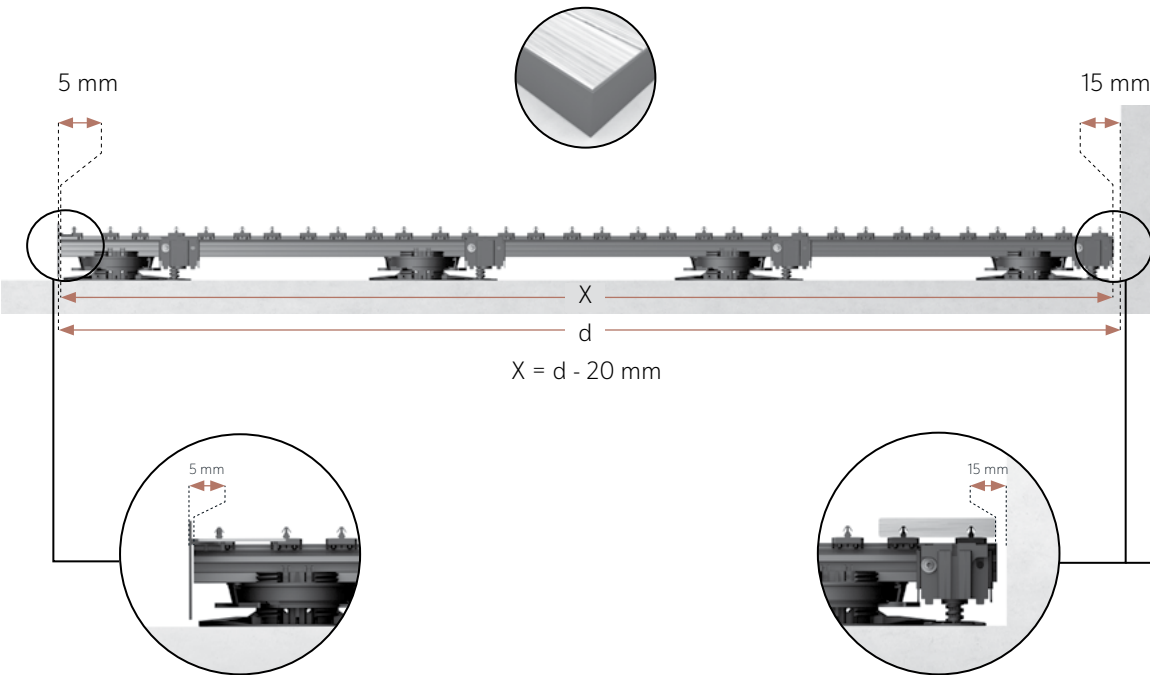
Cut the rails to match the height of the wall. Wherever possible, cut between two clips; however, if there is a clip where the cut is to be made, remove the clip using the removal keys.



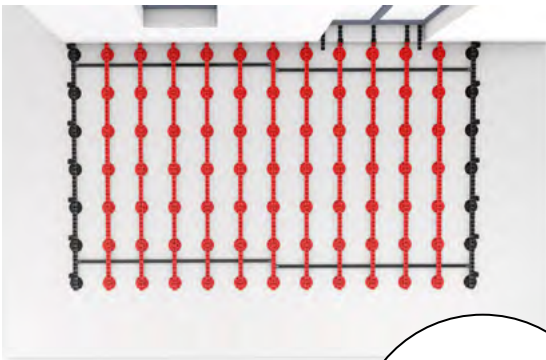
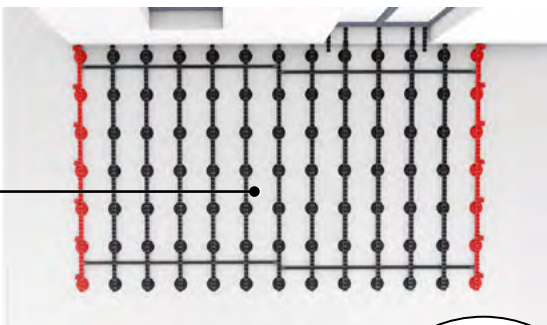
CUTTING RAILS WITHOUT FASCIAS



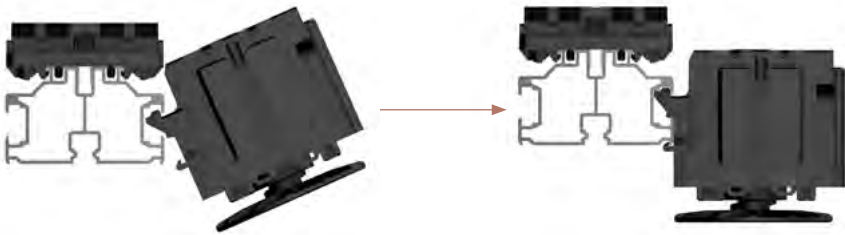
CUTTING RAILS WITH FASCIAS



02. PREPERATION FOR FASCIA



If there's no fascia, you don't need the TOP CUBE.



03. ASSEMBLE THE PEDESTALS

CONFIGURATIONS:



base unit :
35 to 55 mm



base unit with 1
pair of risers :
up to 100 mm



base unit with 2
pairs of risers: up
to 145 mm



base unit with 3
pairs of risers :
up to 190 mm



base unit with 4+
pairs of risers +
supports :
more than 325 mm

For heights greater than 190 mm, a support must be added.

Base unit + 4 pairs of risers or more + TOP+ support: 35 to 400 mm.

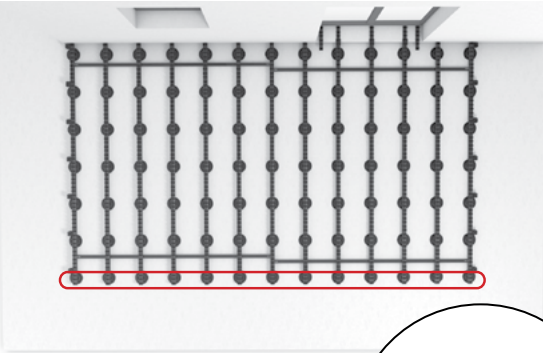


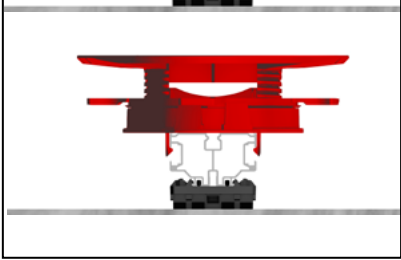
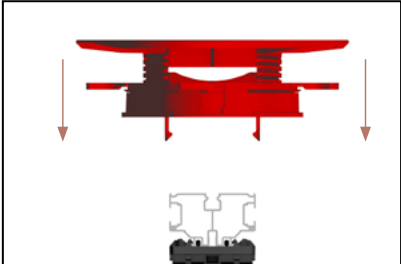
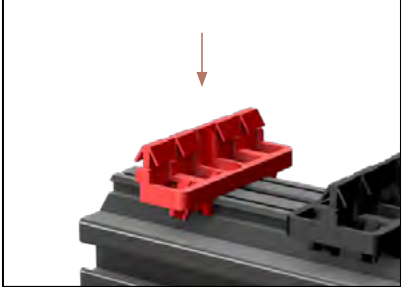
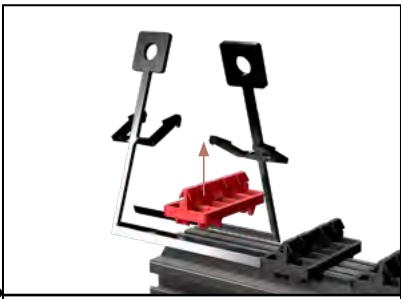
TOP LIFT®



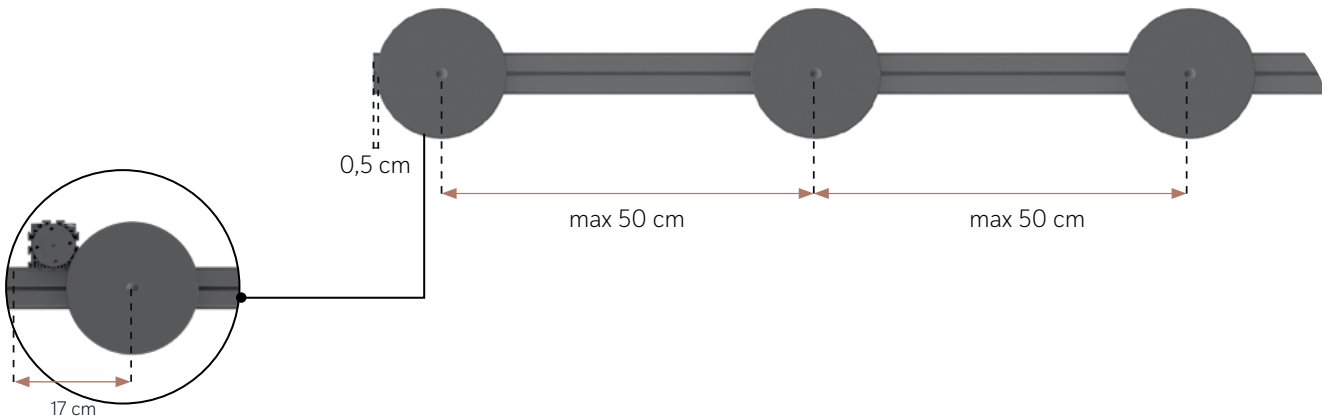
04. POSITION THE PEDESTALS

ALUMINIUM RAIL :



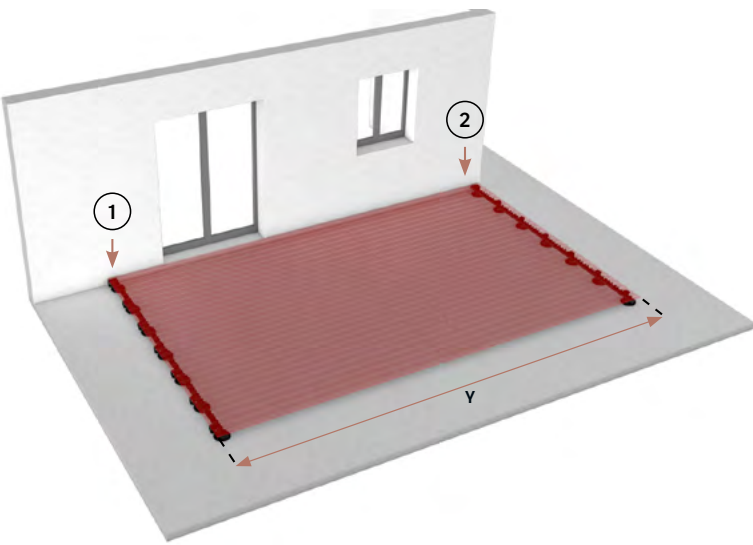


FOR WOOD FASCIA



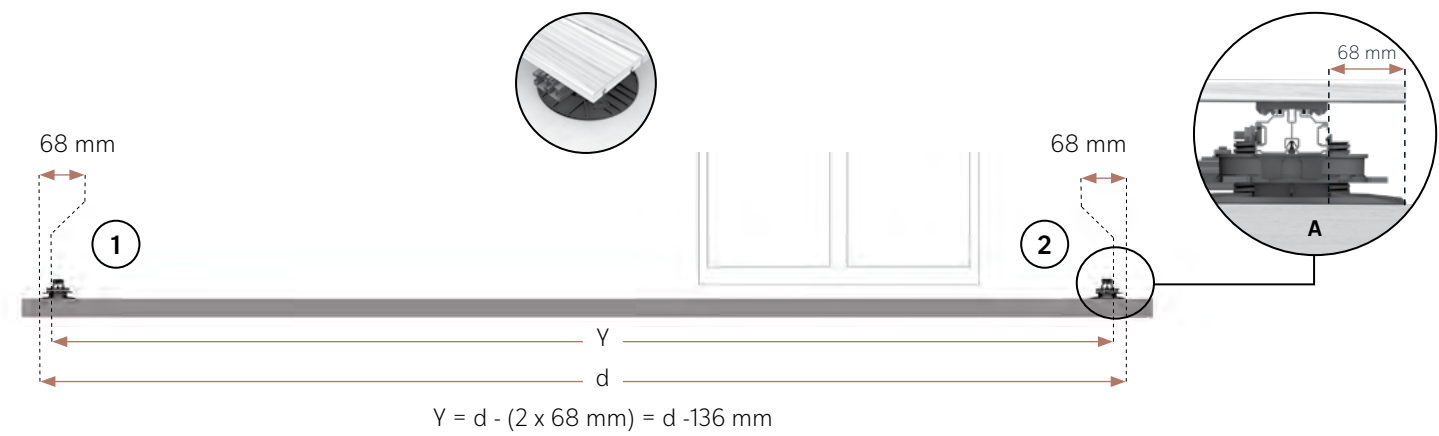
05. ATTACH THE RAILS

WITHOUT FASCIA:

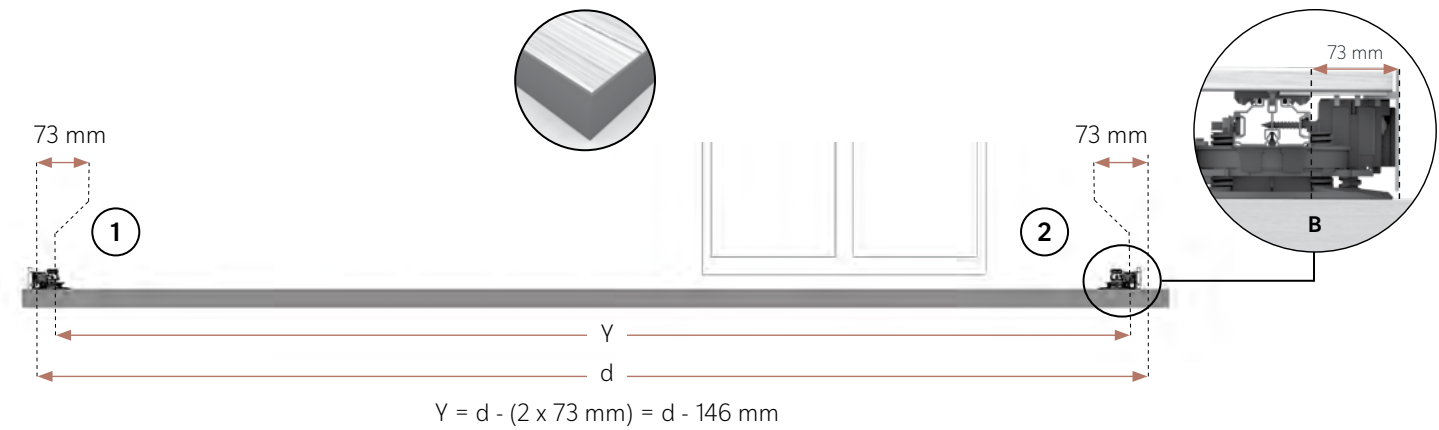


Connecting two rails: for facades over 2 metres in length, Top Links can be used to quickly align and connect the rails with the correct spacing to allow for aluminium expansion.

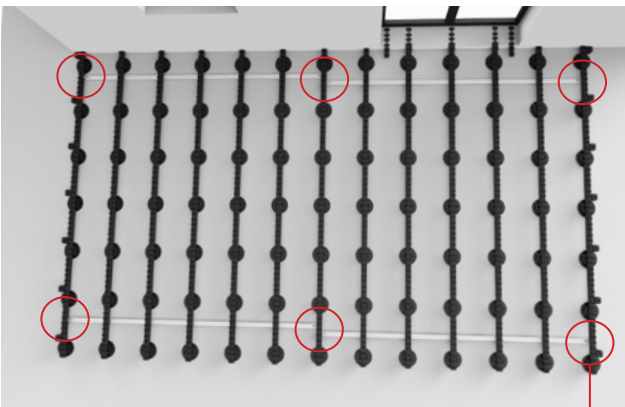
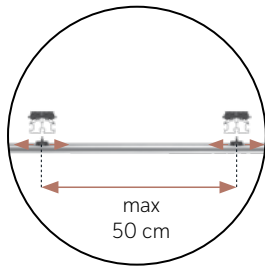
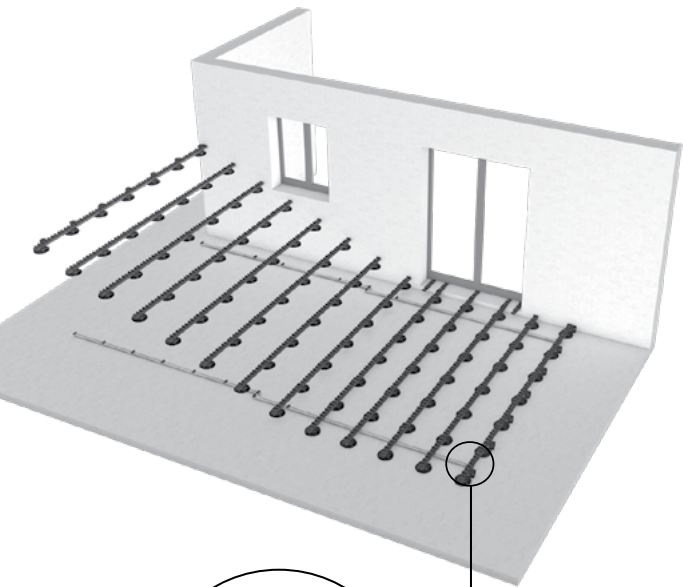
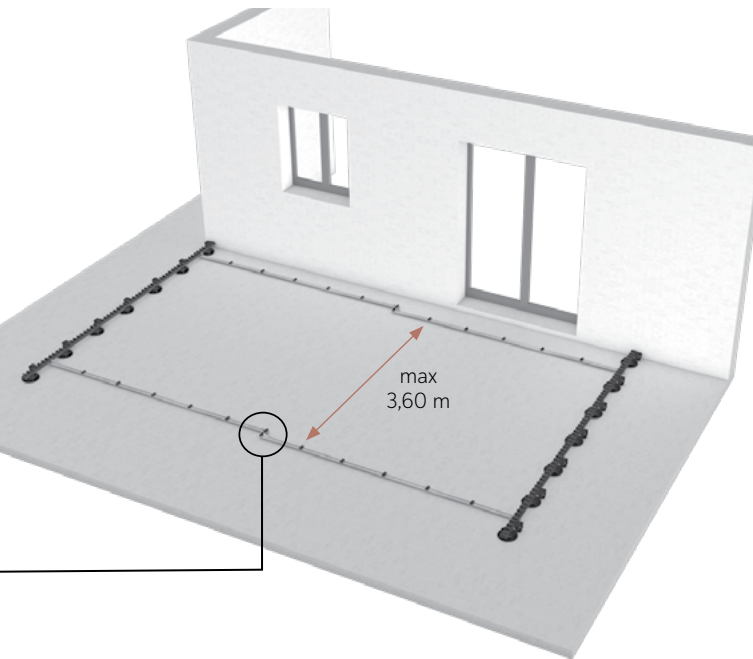
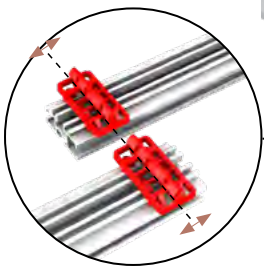
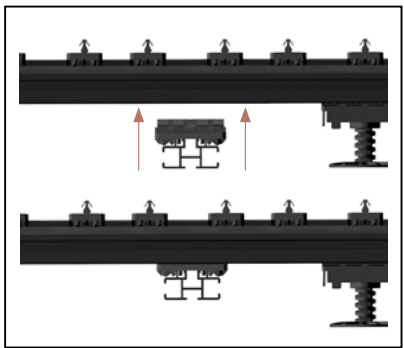
Make sure the first rail is fixed to the wall, place the second rail against the first and position the Top Link as shown. Use a level to ensure that the second rail is straight and fix it to the wall. The Top Link can be removed and reused on subsequent rails.



WITH FASCIA :

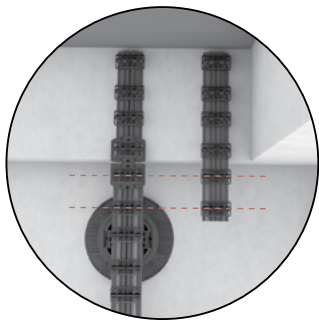
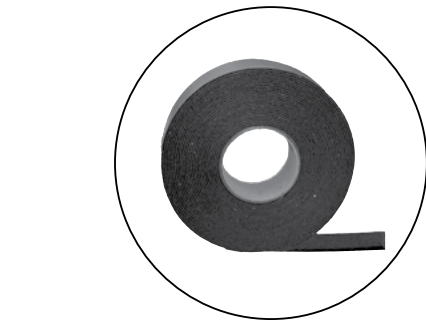
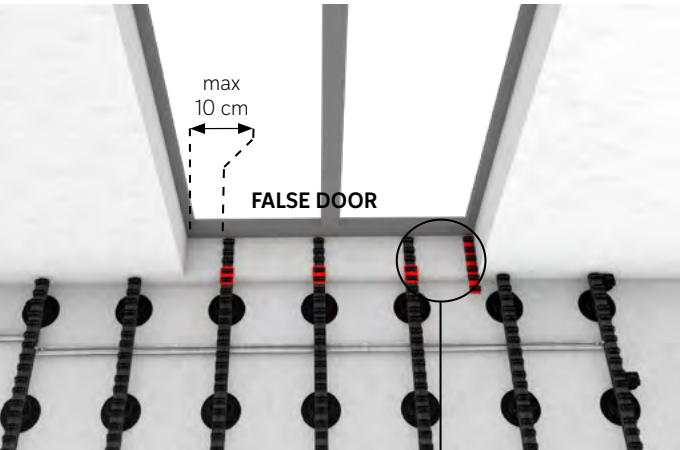
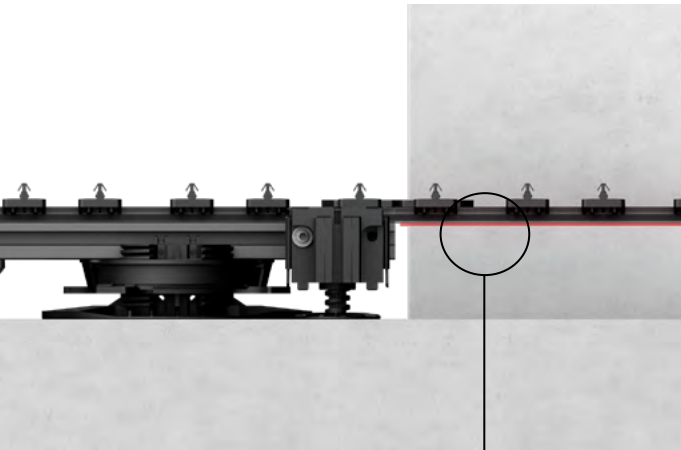


06. ASSEMBLE THE STRUCTURE



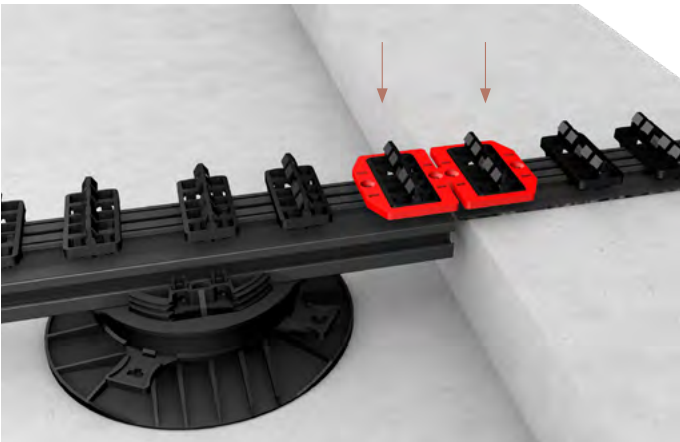
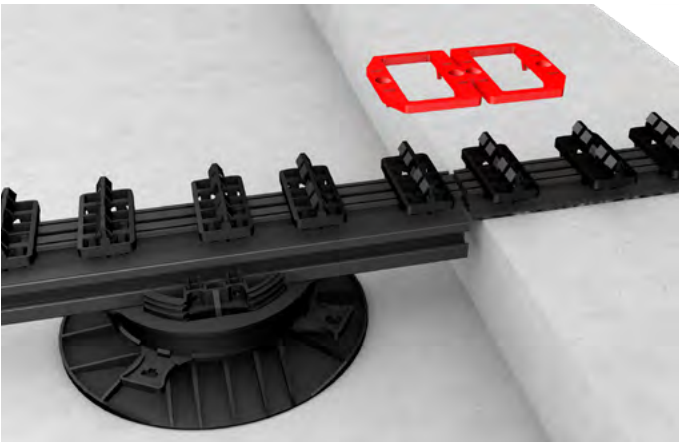
07. ADAPTATION

DOORSTEP :



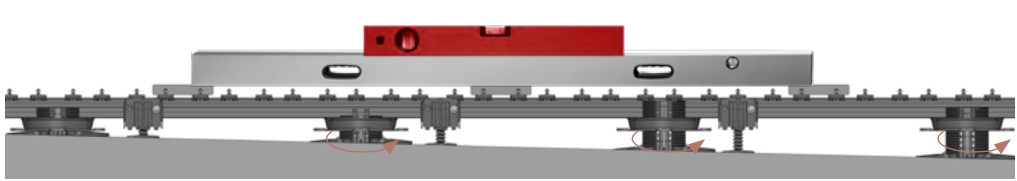
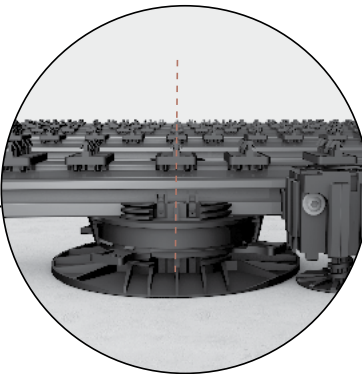
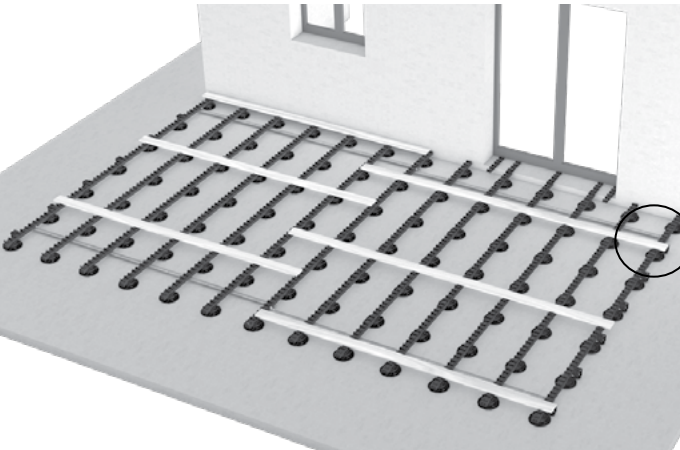
To ensure that the boards do not overhang, leave a maximum gap of 10 cm between the rail and the wall.

If the rail is horizontal, make sure you leave enough space for the dismantling keys to pass through, incase you need to change the board.



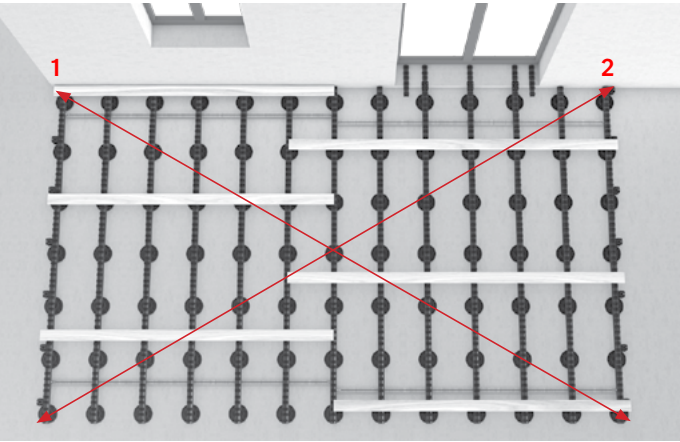
08. LEVELLING

ALIGNMENT AND LEVELLING:

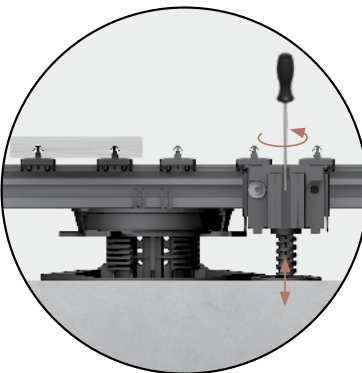


For curved boards, the structure must be perfectly flat.

For flat boards, the structure must be 2%.

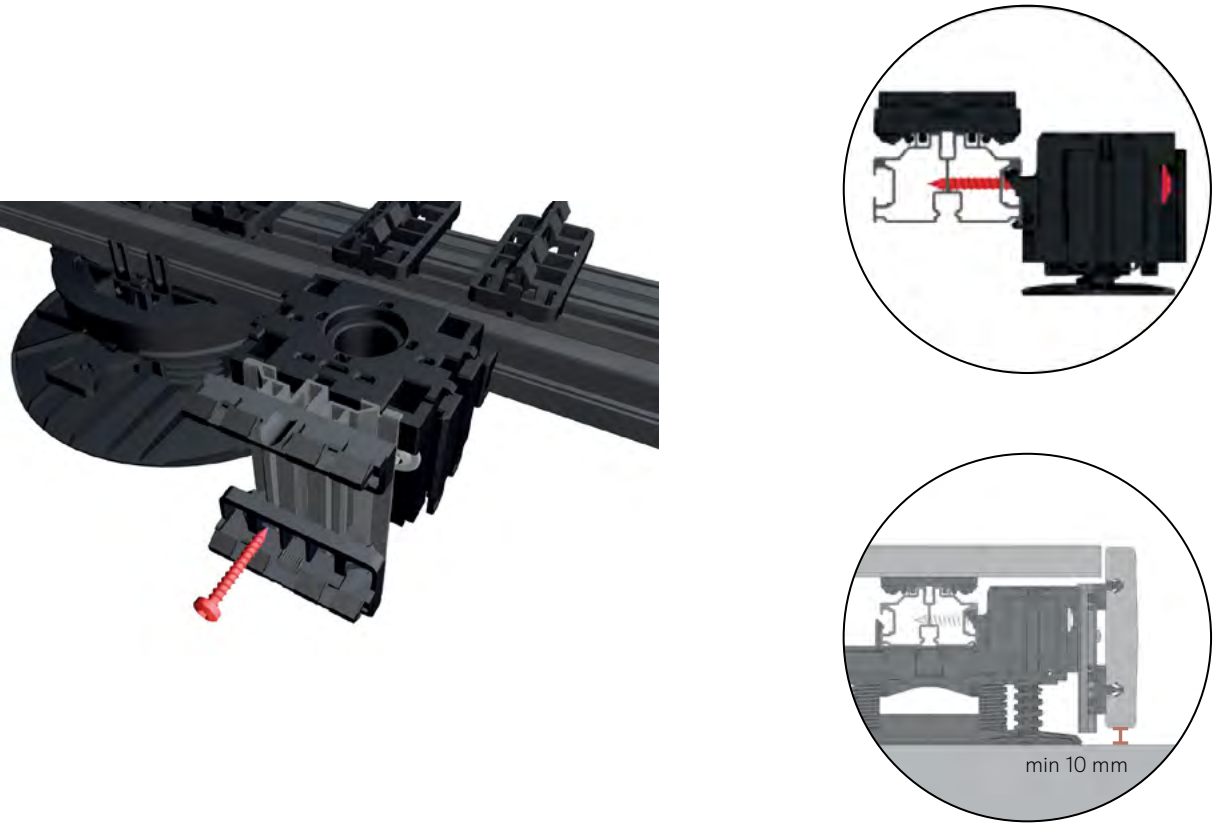


Angle at 90° if 1 = 2



09. FITTING THE FASCIA

TOP CUBE AND FASCIA :

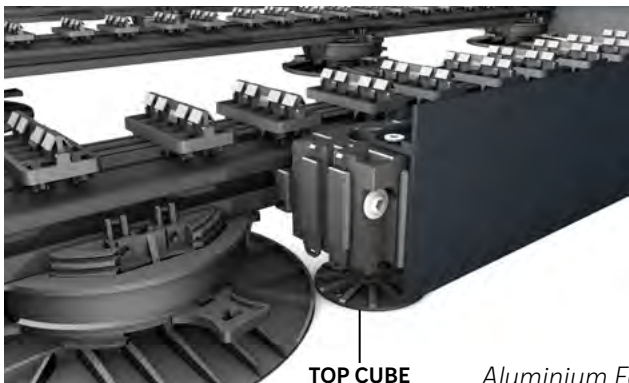




TOP CUBE VIDEO



Wood Fascia



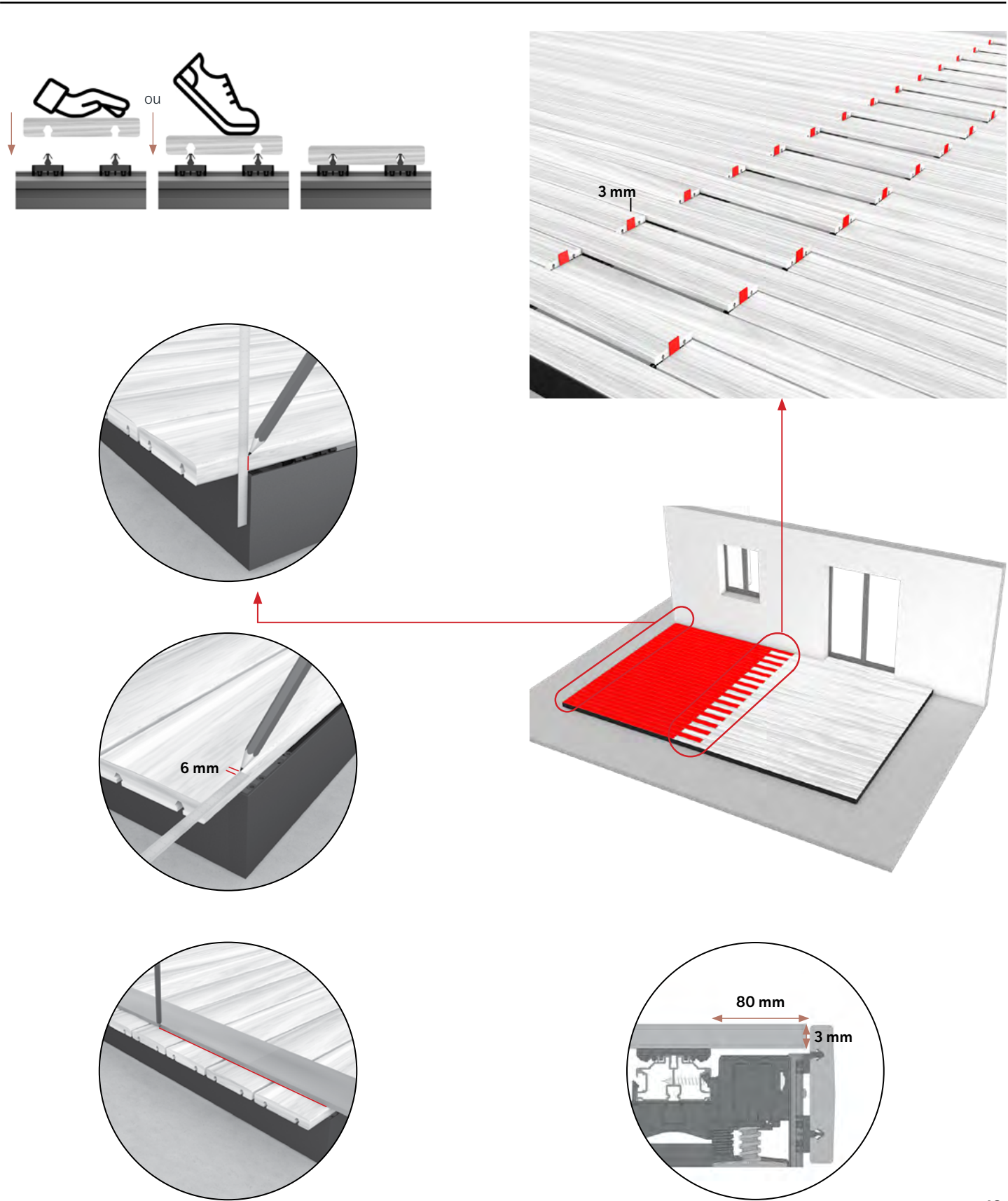
TOP CUBE

Aluminium Fascia

10. FITTING THE BOARDS

Lay the boards down by hand and gently walk along the boards to click into place. Do not use hammers or other tools that could damage the boards. Be sure to leave a 3 to 5 mm gap between the ends of the boards to allow

the wood to expand. For composite flooring, refer to the manufacturing guide. The fascias must be installed before the boards.





© Grad® - 03/2023
Photos, illustrations and documentation
are non-contractual.
Please recycle where possible.
Please do not litter.