

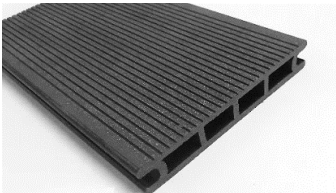
TECHNICAL DATASHEET



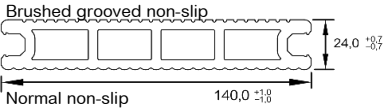
www.iht-group.com

CDECK Boards

HTS Code: 44189900 Hollow Board 2300x140x24



Weight mL - 2,42kg (± 0,2)
Length Tolerance -5/+15mm

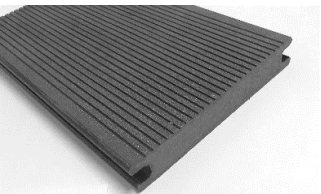


Reference	Color	Dimensions (LxWxH) mm	Weight (kg/Board)
DEU01230BF	BF-Beech Beige	2300 x 140 x 24	5,58 Kg
DEU01230BR	BR-Rose Beige	2300 x 140 x 24	5,58 Kg
DEU01230CI	CI-Grey	2300 x 140 x 24	5,58 Kg
DEU01230RW	RW-RedWood	2300 x 140 x 24	5,58 Kg
DEU01230CH	CH-Chocolate	2300 x 140 x 24	5,58 Kg
DEU01230NE	NE-Dark Black	2300 x 140 x 24	5,58 Kg

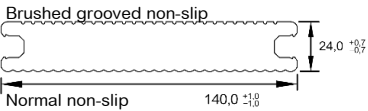
Features Pallet:	Length:	2,32 m	No. of profiles:	175
	Width:	0,72 m	Volume:	1,57 m³
	Height:	0,94 m	Weight:	983,9 Kg



HTS Code: 44189900 Solid Board 2300x140x24



Weight mL - 4,16kg (± 0,2)
Length Tolerance -5/+15mm



Reference	Color	Dimensions (LxWxH) mm	Weight (kg/Board)
DEU03230BF	BF-Beech Beige	2300 x 140 x 24	9,58 Kg
DEU03230BR	BR-Rose Beige	2300 x 140 x 24	9,58 Kg
DEU03230CI	CI-Grey	2300 x 140 x 24	9,58 Kg
DEU03230RW	RW-RedWood	2300 x 140 x 24	9,58 Kg
DEU03230CH	CH-Chocolate	2300 x 140 x 24	9,58 Kg
DEU03230NE	NE-Dark Black	2300 x 140 x 24	9,58 Kg

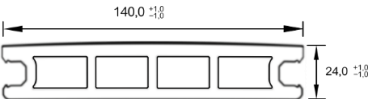
Features Pallet:	Length:	2,32 m	No. of profiles:	100
	Width:	0,72 m	Volume:	0,97 m³
	Height:	0,58 m	Weight:	965,9 Kg



HTS Code: 44189900 Hollow Board Wuude 2300x140x24



Weight mL - 2,52kg (± 0,2)
Length Tolerance -5/+15mm



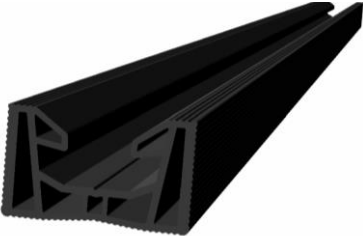
Reference	Color	Dimensions (LxWxH) mm	Weight (kg/Board)
DEU08230NO	NO-Nordic Oak	2300 x 140 x 24	5,80 Kg
DEU08230NB	NB-Natural Beech	2300 x 140 x 24	5,80 Kg
DEU08230SO	SO-Soft Oak	2300 x 140 x 24	5,80 Kg
DEU08230AW	AW-American Walnut	2300 x 140 x 24	5,80 Kg
DEU08230DW	DW-Dark Walnut	2300 x 140 x 24	5,80 Kg

Features Pallet:	Length:	2,32 m	No. of profiles:	175
	Width:	0,72 m	Volume:	1,57 m³
	Height:	0,94 m	Weight:	1023,2 Kg

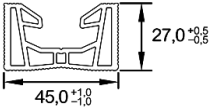


Quick-Fix Fixing Profiles

HTS Code: 39162000 Quick-Fix Joist 2300x45x27



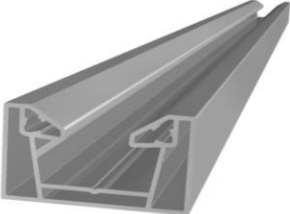
Reference	Color	Dimensions (LxWxH) mm	Weight (kg/joist)
DEU11230PR	Black	2300 x 45 x 27	1,64 Kg



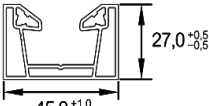
Weight mL - 0,68kg (± 0,2)
Length Tolerance -5/+15mm

Features Pallet:	Length:	2,32 m	No. of profiles:	360
	Width:	0,72 m	Volume:	1,34 m³
	Height:	0,80 m	Weight:	599,4 Kg

HTS Code: 76042100 Quick-Fix Joist ALU

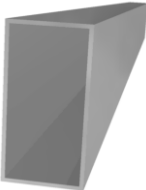


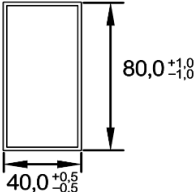
Reference	Color	Dimensions (LxWxH) mm	Weight (kg/joist)
DEU13230AL	Grey	2300 x 45 x 27	1,77 Kg



Weight mL - 0,72kg (± 0,2)
Length Tolerance -5/+15mm

HTS Code: 76042100 Tube Alu 80x40x1.8





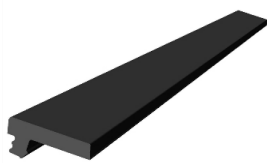
80,0^{+1,0}_{-1,0}
40,0^{+0,5}_{-0,5}

Reference	Color	Dimensions (LxWxH) mm	Weight (kg/profile)
DEU17230AL	Grey	2300 x 80 x 40	2,73 Kg

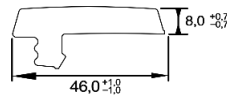
Weight mL - 1,13kg (± 0,2)
Length Tolerance -5/+15mm

Finishing Profiles

HTS Code: 44189900 Fastener 2300x46x8mm

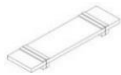


Weight mL - 0,63kg (± 0,1)
Length Tolerance -5/+15mm

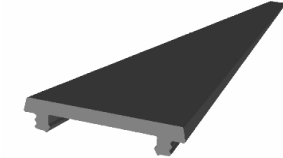


Reference	Color	Dimensions (LxWxH) mm	Weight (kg/profile)
DEU21230BF	BF-Beech Beige	2300 x 46 x 8	1,45 Kg
DEU21230BR	BR-Rose Beige	2300 x 46 x 8	1,45 Kg
DEU21230CI	CI-Grey	2300 x 46 x 8	1,45 Kg
DEU21230RW	RW-RedWood	2300 x 46 x 8	1,45 Kg
DEU21230CH	CH-Chocolate	2300 x 46 x 8	1,45 Kg
DEU21230NE	NE-Dark Black	2300 x 46 x 8	1,45 Kg

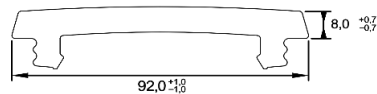
Features Pallet:	Length:	2,32 m	No. of profiles:	50
	Width:	0,72 m	Volume:	0,099 m ³
	Height:	0,06 m	Weight:	80,8 Kg



HTS Code: 44189900 Fastener 2300x92x8mm

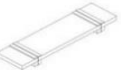


Weight mL - 1,35kg (± 0,2)
Length Tolerance -5/+15mm

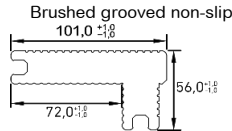
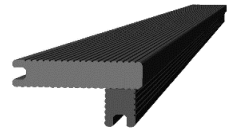


Reference	Color	Dimensions (LxWxH) mm	Weight (kg/profile)
DEU23230BF	BF-Beech Beige	2300 x 92 x 8	3,05 Kg
DEU23230BR	BR-Rose Beige	2300 x 92 x 8	3,05 Kg
DEU23230CI	CI-Grey	2300 x 92 x 8	3,05 Kg
DEU23230RW	RW-RedWood	2300 x 92 x 8	3,05 Kg
DEU23230CH	CH-Chocolate	2300 x 92 x 8	3,05 Kg
DEU23230NE	NE-Dark Black	2300 x 92 x 8	3,05 Kg

Features Pallet:	Length:	2,32 m	No. of profiles:	42
	Width:	0,72 m	Volume:	0,15 m ³
	Height:	0,09 m	Weight:	136,4 Kg



HTS Code: 44189900 Step 2300x101x56 mm




Weight mL - 3,98 kg (± 0,2)
Length Tolerance - 5/+15mm


Reference	Color	Dimensions (LxWxH) mm	Weight (kg/Step)
DEU22230BF	BF-Beech Beige	2300 x 101 x 56	9,19 Kg
DEU22230BR	BR-Rose Beige	2300 x 101 x 56	9,19 Kg
DEU22230CI	CI-Grey	2300 x 101 x 56	9,19 Kg
DEU22230RW	RW-RedWood	2300 x 101 x 56	9,19 Kg
DEU22230CH	CH-Chocolate	2300 x 101 x 56	9,19 Kg
DEU22230NE	NE-Dark Black	2300 x 101 x 56	9,19 Kg

Accessories


HTS Code: 39259010 Quick-Fix Intermediate Clip

	Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
	100	DEC70001CAC	CA - Brown	230 x 170 x 90	1,20 Kg
	100	DEC70001CZC	CZ - Grey	230 x 170 x 90	1,20 Kg
	100	DEC70001PRC	PR - Black	230 x 170 x 90	1,20 Kg
	500	DEC70001CAD	CA - Brown	380 x 280 x 150	6,02 Kg
	500	DEC70001CZD	CZ - Grey	380 x 280 x 150	6,02 Kg
	500	DEC70001PRD	PR - Black	380 x 280 x 150	6,02 Kg

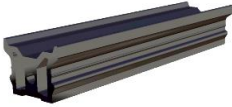
HTS Code: 39259010 Quick-Fix PRO Intermediate Clip

	Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
	25	DEC70004CAQ	CA - Brown	110 x 100 x 80	0,24 Kg
	25	DEC70004CZQ	CZ - Grey	110 x 100 x 80	0,24 Kg
	25	DEC70004PRQ	PR - Black	110 x 100 x 80	0,24 Kg

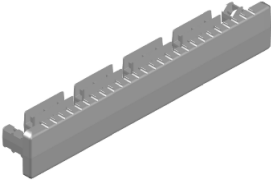
HTS Code: 39259010 Quick-Fix Terminal Clip

	Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
	25	DEC70002PRQ	PR - Black	110 x 100 x 80	0,51 Kg


HTS Code: 39259010 Fastener Holder

	Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
	25	DEC70003PRQ	PR - Black	110 x 100 x 80	0,45 Kg


HTS Code: 39259010 Hollow Board End Cap 140X24

	Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
	25	DEC70005BFQ	BF-Beech Beige	230 x 170 x 90	0,80 Kg
	25	DEC70005CHQ	CH-Chocolate	230 x 170 x 90	0,80 Kg
	25	DEC70005CIQ	CI-Grey	230 x 170 x 90	0,80 Kg
	25	DEC70005NEQ	NE-Dark Black	230 x 170 x 90	0,80 Kg
	25	DEC70005RWQ	RW-RedWood	230 x 170 x 90	0,80 Kg

HTS Code: 73181552 Inox Screw 6X60 with Plug Ø8


	Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
	50	DEC80001IXX	Screw PZ3 with Stainless Steel A2	6X60 with Plug Ø8	0,43 Kg
	Box features and n.º of packages:				
		Length:	0,23 m	No. Of Sachets per box:	4
		Width:	0,17 m	Volume:	0,003 m3
		Height:	0,09 m	Weight:	1,83 Kg

HTS Code: 73181552 Self Drilling Screw 3,5X25 Stainless Steel

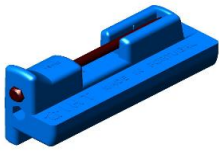
	Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
	100	DEC80002IXC	Screw PH2 with Stainless Steel A2	3,5x25	0,13 Kg
	Box features and n.º of packages:				
		Length:	0,12 m	No. Of Sachets per box:	5
		Width:	0,11 m	Volume:	0,001 m3
		Height:	0,08 m	Weight:	0,70 Kg

Accessories


HTS Code: 73181552 Self Drilling Screw 5,5X25 Stainless Steel

	Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
	50	DEC80004IXX	Screw PZ3 with Stainless Steel A2	5,5x25	0,15 Kg
Box features and n.º of packages:		Length:	0,12 m	No. Of Sachets per box:	5
		Width:	0,11 m	Volume:	0,001 m3
		Height:	0,08 m	Weight:	0,77 Kg

HTS Code: 82055100 CTOOL to Install CDECK/CWALL

	Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
	1	DEC90001AZ	¼ Bit with 4mm slit for CTOOL	85x26x40	0,06 Kg
Box features and n.º of packages:		Length:	0,12 m	No. Of Sachets per box:	5
		Width:	0,11 m	Volume:	0,001 m3
		Height:	0,08 m	Weight:	0,32 Kg

HTS Code: 39259080 CDECK Shims Kit

	Unid / Package	Reference	Type	Box dimensions (L x W x H) mm	Weight (kg/box)
	600	DEC6001KIT	200 Shims of 1mm 200 Shims of 2mm 150 Shims of 5mm 50 Shims of 8mm	380x280x15	0,24 Kg

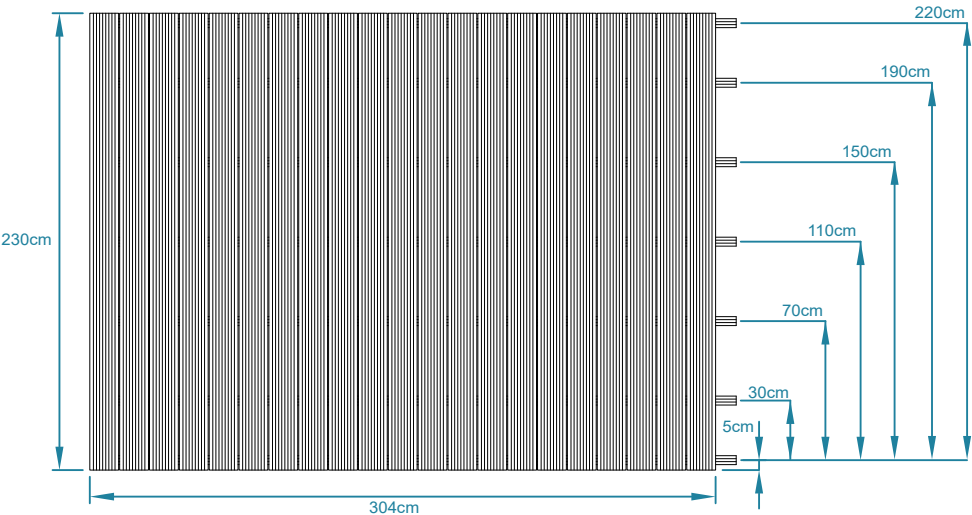
Accessories for raised structures CDECK						
HTS Code:	39259080	Plot CDECK 28-36 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TA0	Height adjustable pedestal	Closed 28mm Open 36mm	0,22 Kg
HTS Code:	39259080	Plot CDECK 36-51 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TA1	Height adjustable pedestal	Closed 36mm Open 51mm	0,24 Kg
HTS Code:	39259080	Plot CDECK 52-82 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TA2	Height adjustable pedestal	Closed 52mm Open 82mm	0,30 Kg
HTS Code:	39259080	Plot CDECK 82-135 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TA3	Height adjustable pedestal	Closed 82mm Open 135mm	0,37 Kg
HTS Code:	39259080	Plot CDECK 133 225 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TA4	Height adjustable pedestal	Closed 133mm Open 225mm	0,58 Kg
HTS Code:	39259080	Carcass Plot CDECK 40-50 mm - Ø195 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TAX	2-slot cross fastener	1 40mm socket 1 50mm socket	0,05 Kg
HTS Code:	39259080	Extension Plot CDECK 180 mm - Ø130 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC6000TCL	Height plot Extender	180mm	0,26 Kg
HTS Code:	39259080	Slope Corrector Plot CDECK 2 PRC - Ø190 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC600TSC2	Pending broker 2% to 4%	2mm	0,06 Kg
HTS Code:	39259080	Movable Slope Corrector 40-50 mm				
		Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
		1	DEC60KRSCX	Movable Slope Corrector up to 7%	1 40mm socket 1 50mm socket	0,12 Kg

Estimated Material by SQ.M. for Residential Use

Board 2,30m - Quick-Fix joist and Intermediate Clip

Reference	Designation	Qt/sq.m.	
DEU0x230xx	BOARD 2300x140x24	3,00	Unit
DEU11230xx	QUICK FIX JOIST 2300x45x27	1,31	Unit
DEC70001xxx	QUICK-FIX INTERMEDIATE CLIP	20	Unit
DEC70002xxx	QUICK-FIX TERMINAL CLIP	2	Unit
DEC80001IXX	INOX SCREW 6X60 WITH PLUG Ø8	9	Unit
DEC80002IXC	SELF DRILLING SREW 3,5X25 STAINLESS STEEL	3	Unit

Note: The amounts shown are merely examples, given that actual need will depend on the typology of the area and the way the CDECK is applied, with the project below as a reference.

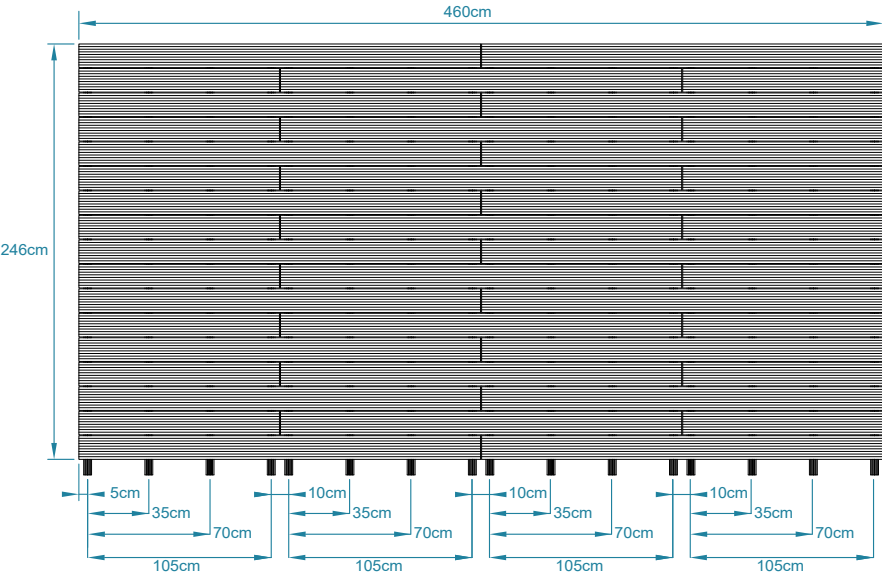


Estimated Material by SQ.M. for Commercial Use

Board 2,30m - Quick-Fix joist and Intermediate Clip

Reference	Designation	Qt/sq.m.	
DEU0x230xx	BOARD 2300x140x24	3,00	Unit
DEU11230xx	QUICK FIX JOIST 2300x45x27	1,52	Unit
DEC70001xxx	QUICK-FIX INTERMEDIATE CLIP	23	Unit
DEC70002PRQ	QUICK-FIX TERMINAL CLIP	3	Unit
DEC80001IXX	INOX SCREW 6X60 WITH PLUG Ø8	11	Unit
DEC80002IXC	SELF DRILLING SREW 3,5X25 STAINLESS STEEL	4	Unit

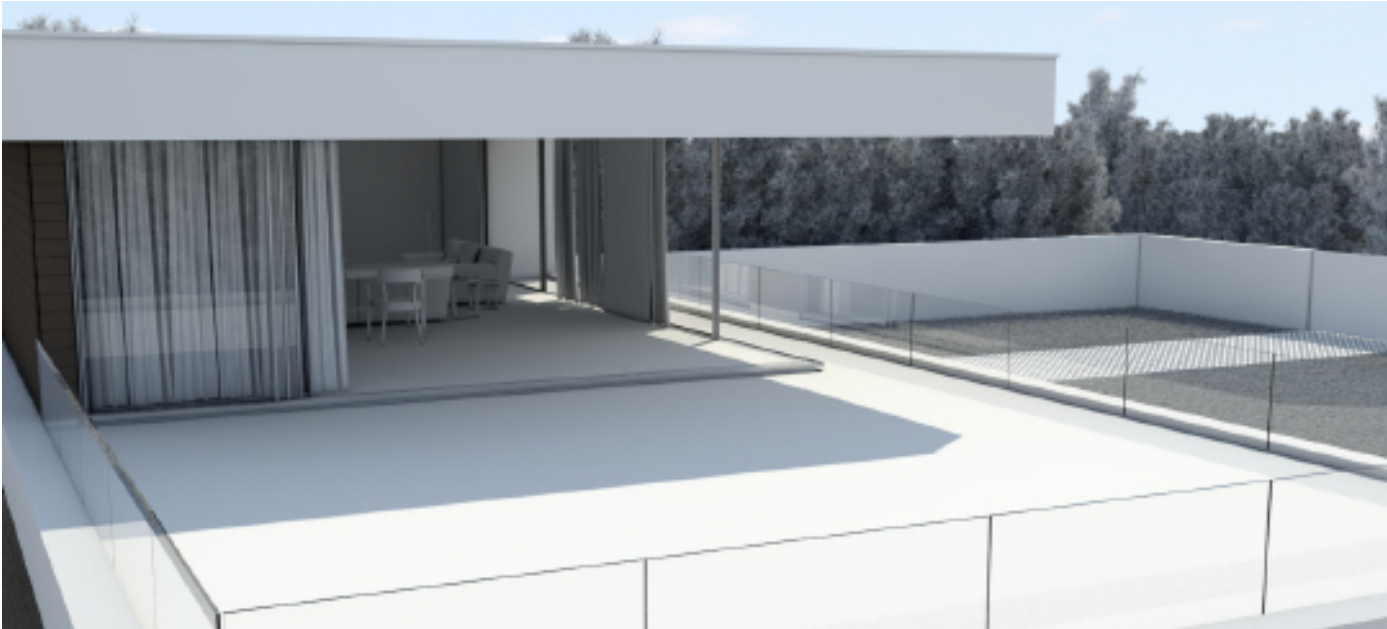
Note: The amounts shown are merely examples, given that actual need will depend on the typology of the area and the way the CDECK is applied, with the project below as a reference.





INSTALLATION GENERAL RULES

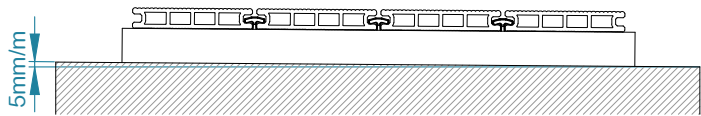
- Before starting the installation, you should check if you have the latest version of this Installation Manual, available at www.cdeck.pt.
- CDECK products have been developed as a system to be installed with the respective CDECK accessories according to the instructions mirrored in this Installation Manual. Failure to comply with these requirements will result in the loss of Warranty.
- Items from the CDECK range should be stored on a flat surface, and the items should be protected from direct exposure to sunlight, rain, snow, and other adverse climatic conditions.
- The WPC profiles (e.g.: Boards) should remain on site for at least 48 hours before being fitted, so that the material can adapt to the climatic conditions.
- CDECK boards, both in the Standard and WUUDE range, present surface variations in colour and texture.
In the Standard range, these variations result from being made of WPC with exposed wood.
In the WUUDE range, the variations are purposely and randomly created to achieve a natural (organic) finish.
It is therefore advisable to have a varied distribution of profiles, to cater for these natural discrepancies.
- In large areas, the installation of the CDECK should be carried out in different phases, consisting of no more than 100 sq.m per phase.
- CDECK flooring should not be installed in extreme weather conditions, such as temperature below 5 °C, relative humidity above 90%, snow, etc.
- The CDECK profiles are not structural profiles, and should not be installed as suspended constructions.
- The CDECK range is a floating deck range, so its boards should never be screwed to the base or fastened to any items other than those listed in this manual.
- The installation of CDECK profiles should be carried out in such a way as to ensure no water is accumulated in any parts, particularly inside the boards.
- It is essential to ensure the aeration of the Decking and so the space between the boards and the space between the boards and the ground should never be obstructed.
- The CDECK range is intended for use in areas of movement involving pedestrian use only.
- If you have any different needs that are not covered by this manual, you should contact IHT to obtain additional instructions.



1. SURFACE PREPARATION

1.1

The installation surface should be completely flat and stable (e.g. 10 - 15 cm of solid concrete), and should slope for water drainage by at least 5 mm per metre in the direction of the Joists and in the direction of the Boards.

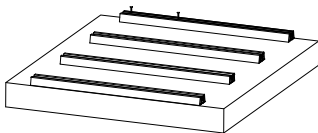


1.2.1 APPLICATION ON REGULARIZED BASE - FIXATION WITH SCREWS

DEU11230PR



Application with PVC Joist

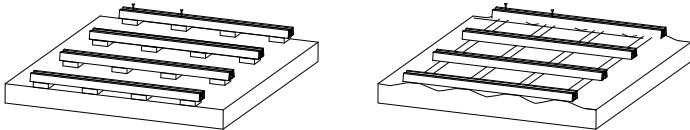


1.2.2 APPLICATION ON IRREGULAR BASE - FIXATION WITH SCREWS

DEU13230AL

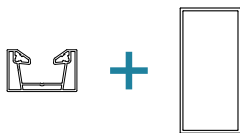


Application with Aluminum Joist

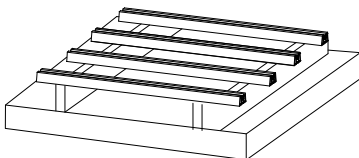


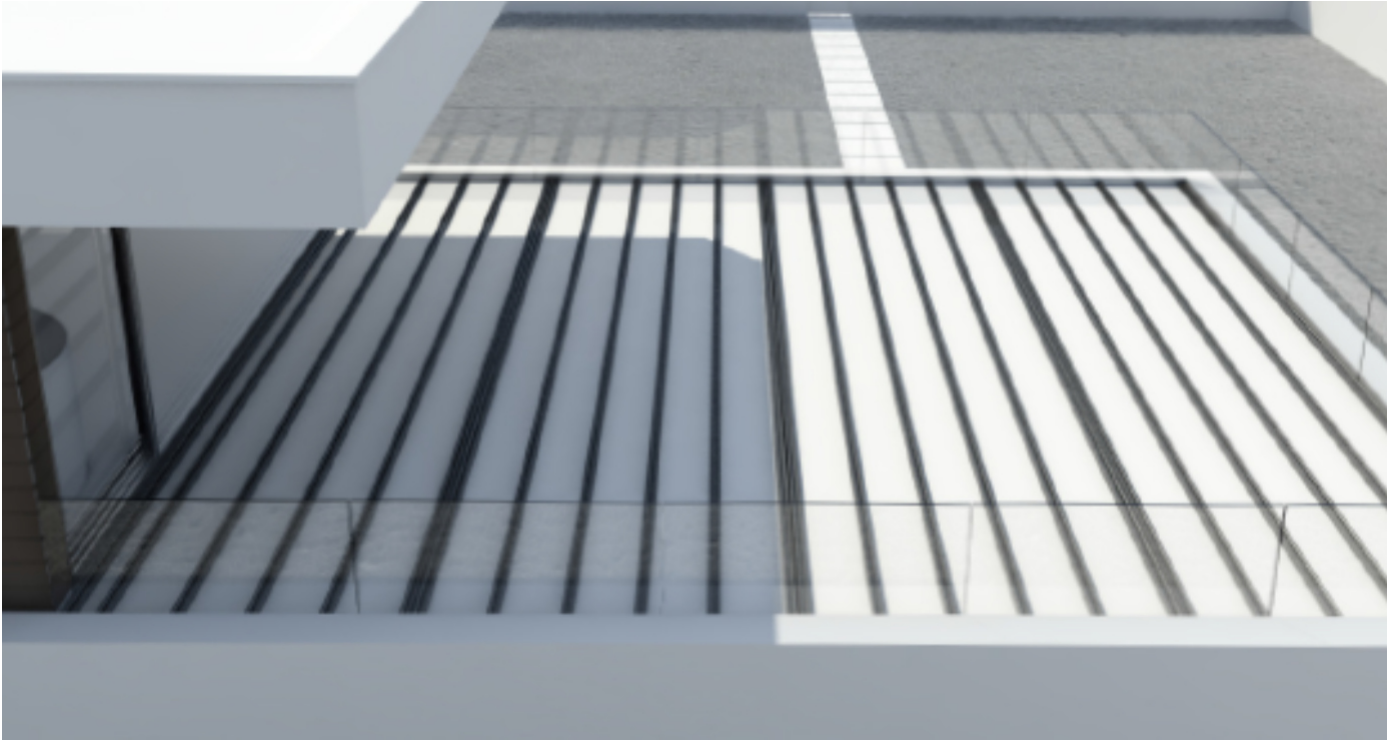
1.2.3 FLOATING APPLICATION - WHERE FIXATION WITH SCREWS IS NOT POSSIBLE

DEU13230AL DEU17230AL



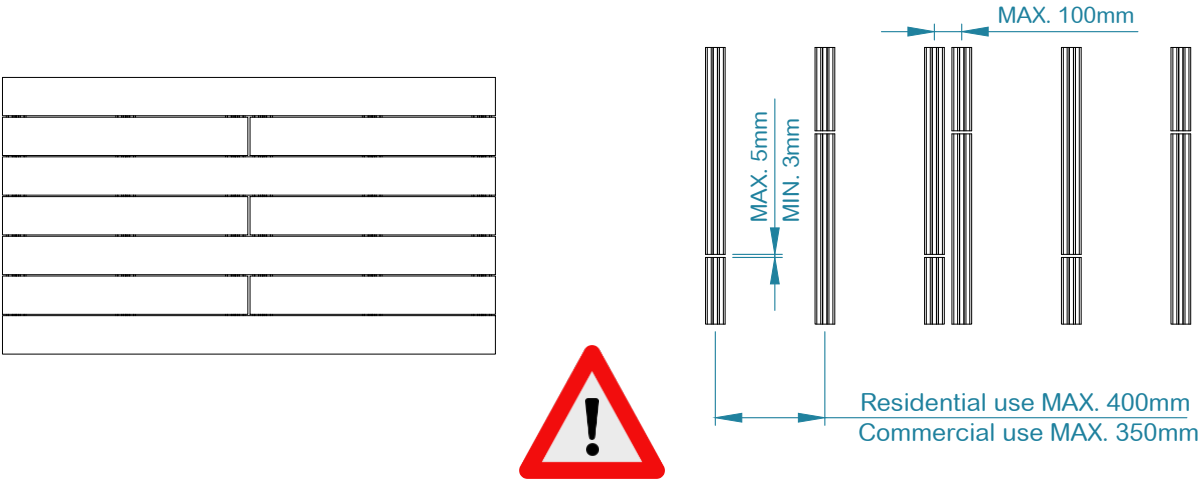
Application with Aluminum Joist & 80x40mm Tube



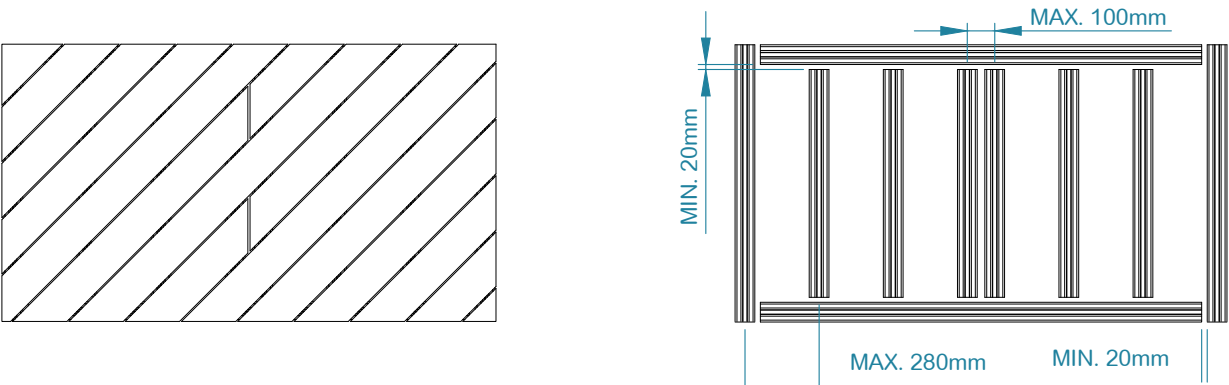


2. FASTENING THE QUICK-FIX JOINTS

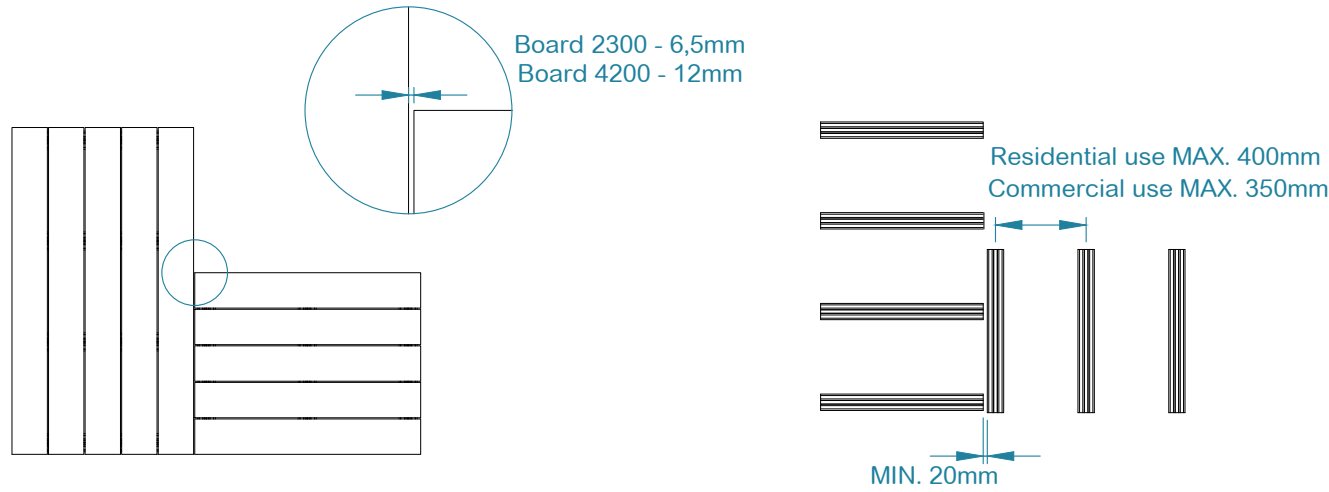
2.1 LAGGED ASSEMBLY (ENGLISH ASSEMBLY)



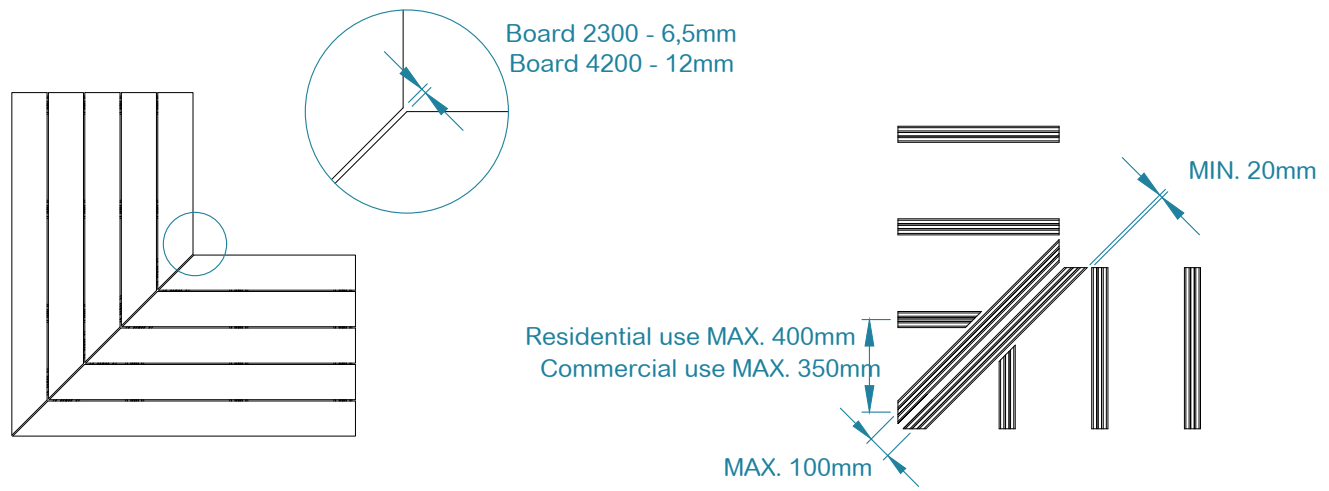
2.2 LAGGED ASSEMBLY (ENGLISH ASSEMBLY) AT 45°



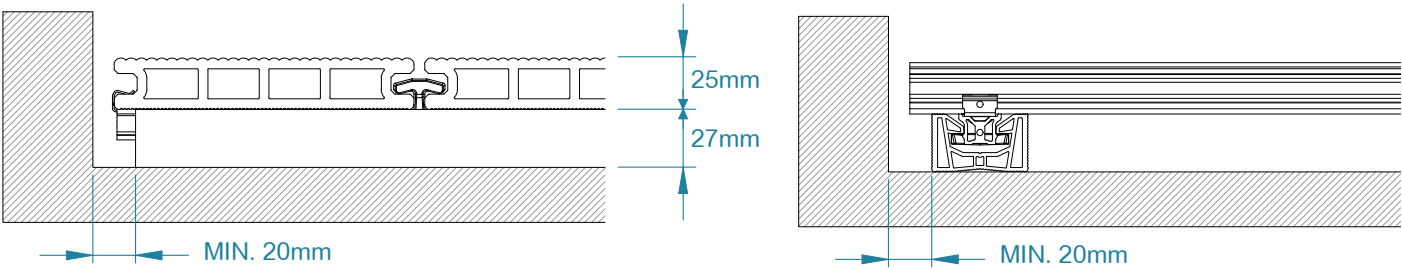
2.3 PERPENDICULAR FINISHING



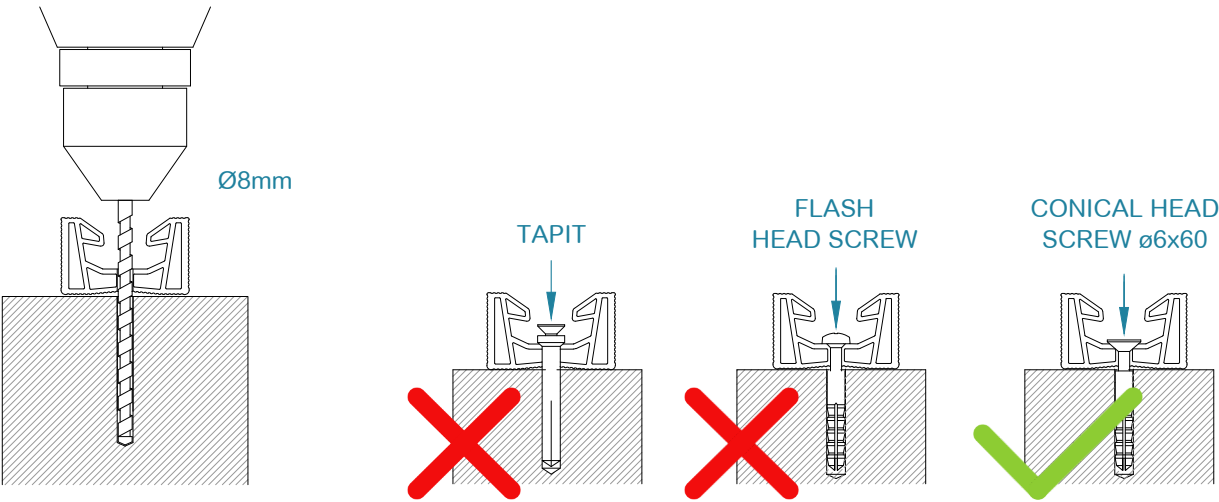
2.4 SQUARE FINISHING



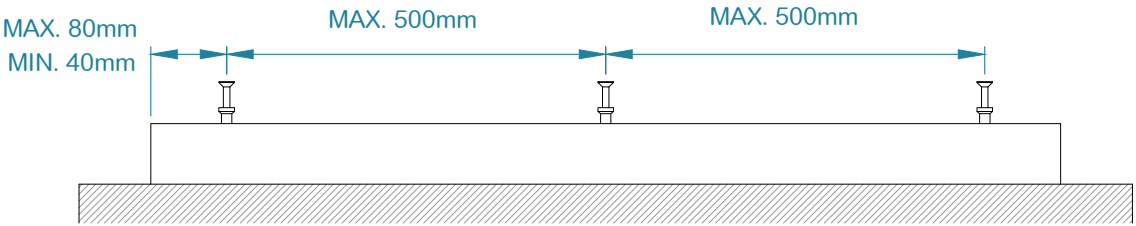
2.5



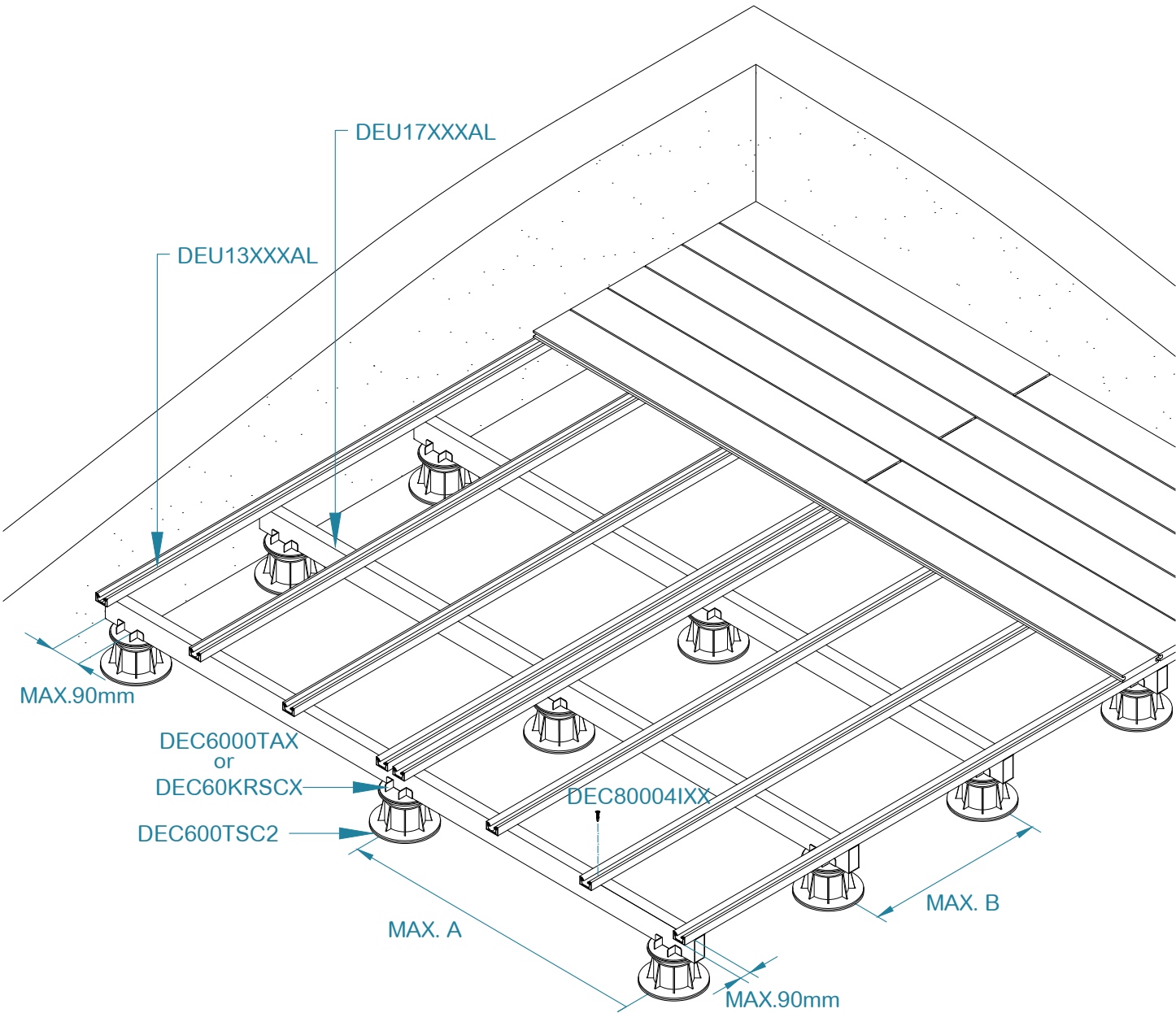
2.6



2.7

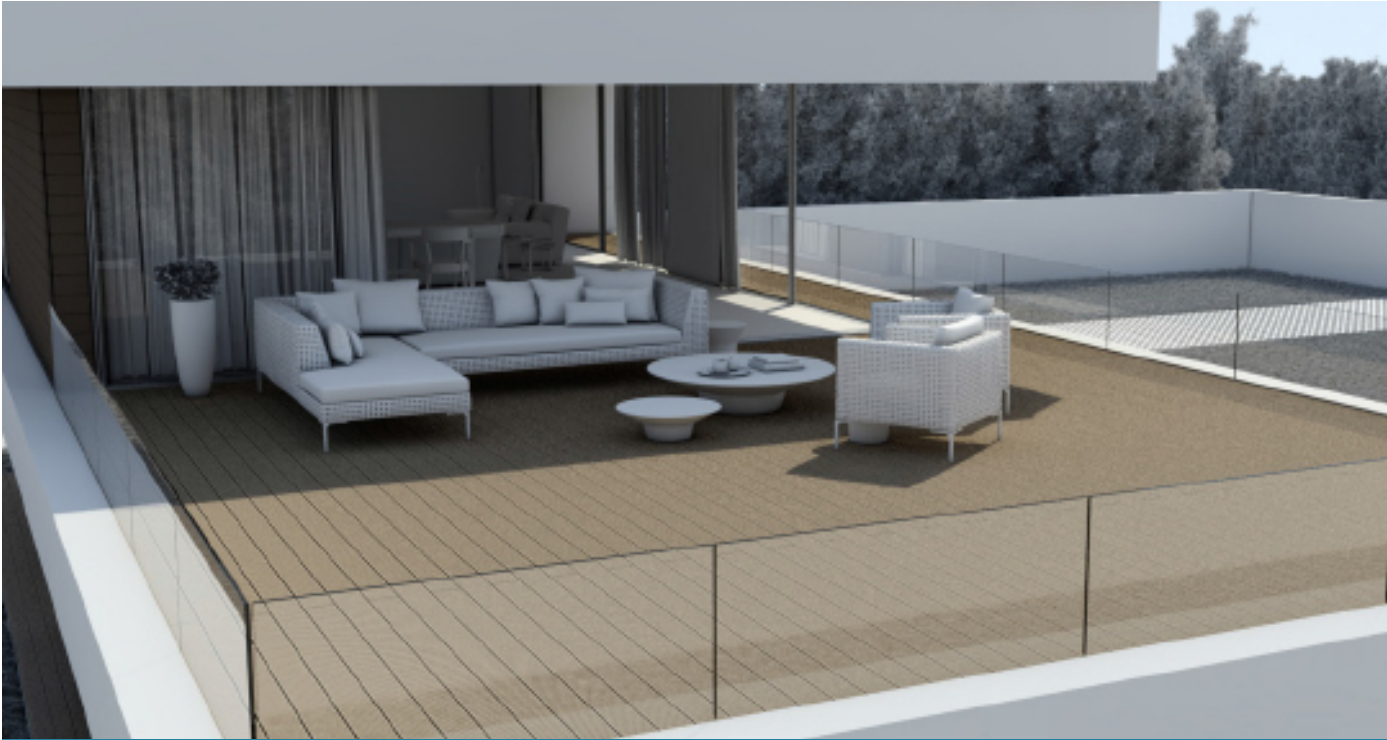


2.7 SUSPENDED INSTALLATION



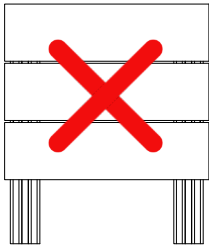
Max. distance A	Max. distance B	Uniform load Max. por sq.m
1150 mm	600 mm	200 Kg/sq.m
770 mm	500 mm	350 Kg/sq.m
575 mm	400 mm	500 Kg/sq.m

To ensure the stability of the system, it is mandatory that aluminum structure must be attached to at least one external fixed element

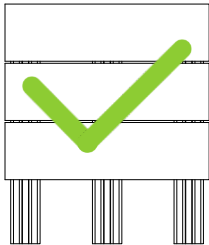


3. FASTENING THE CDECK BOARDS

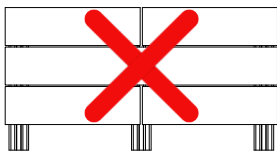
3.1



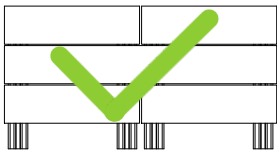
Irrespective of the distance between the Joists, under no circumstances can the Boards be supported by less than 3 Joists.



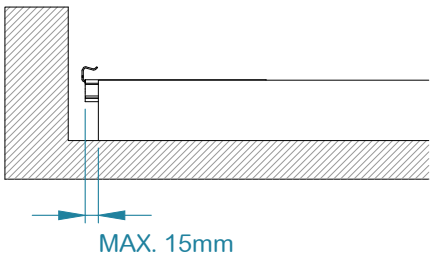
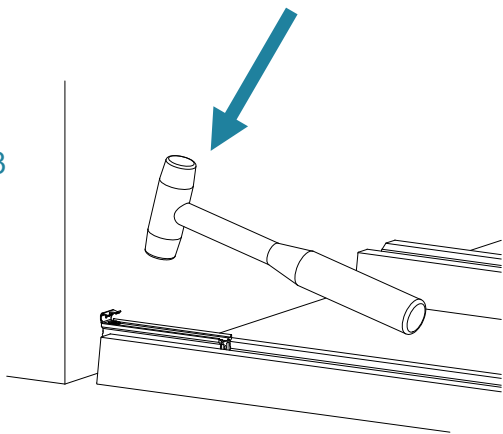
3.2



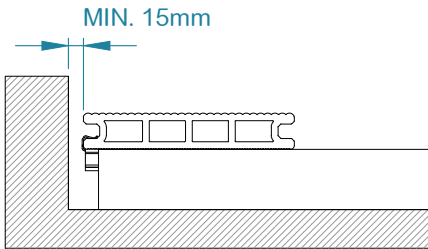
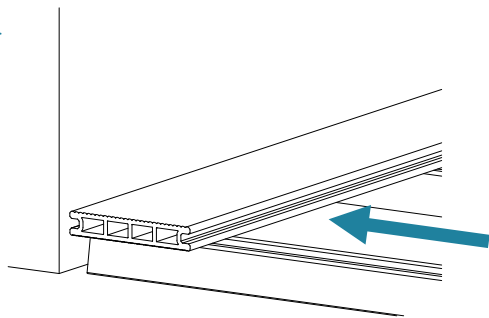
For assembly involving boards arranged top to top, 2 Joists should always be used (1 for each board) with the respective Clips.



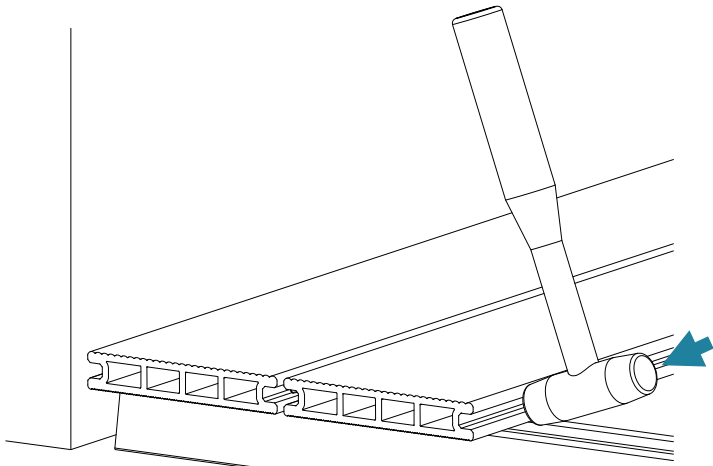
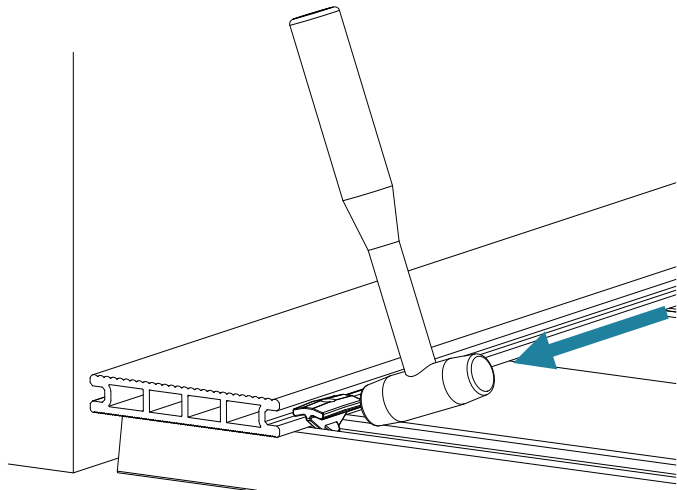
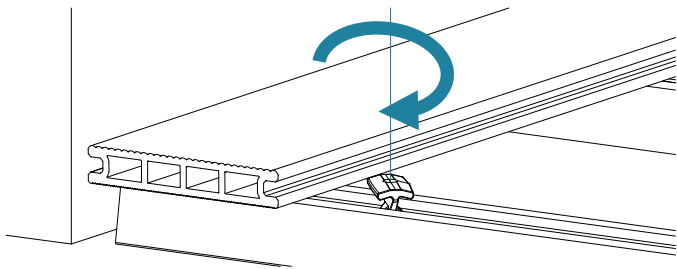
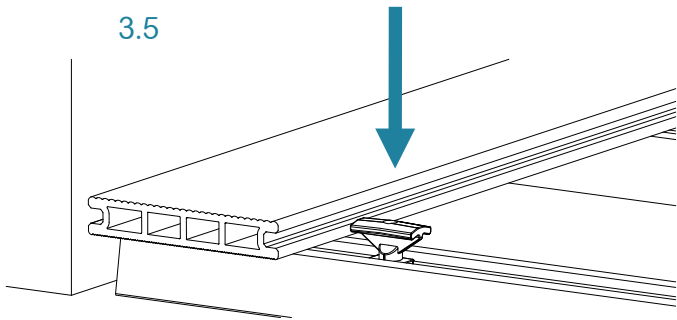
3.3



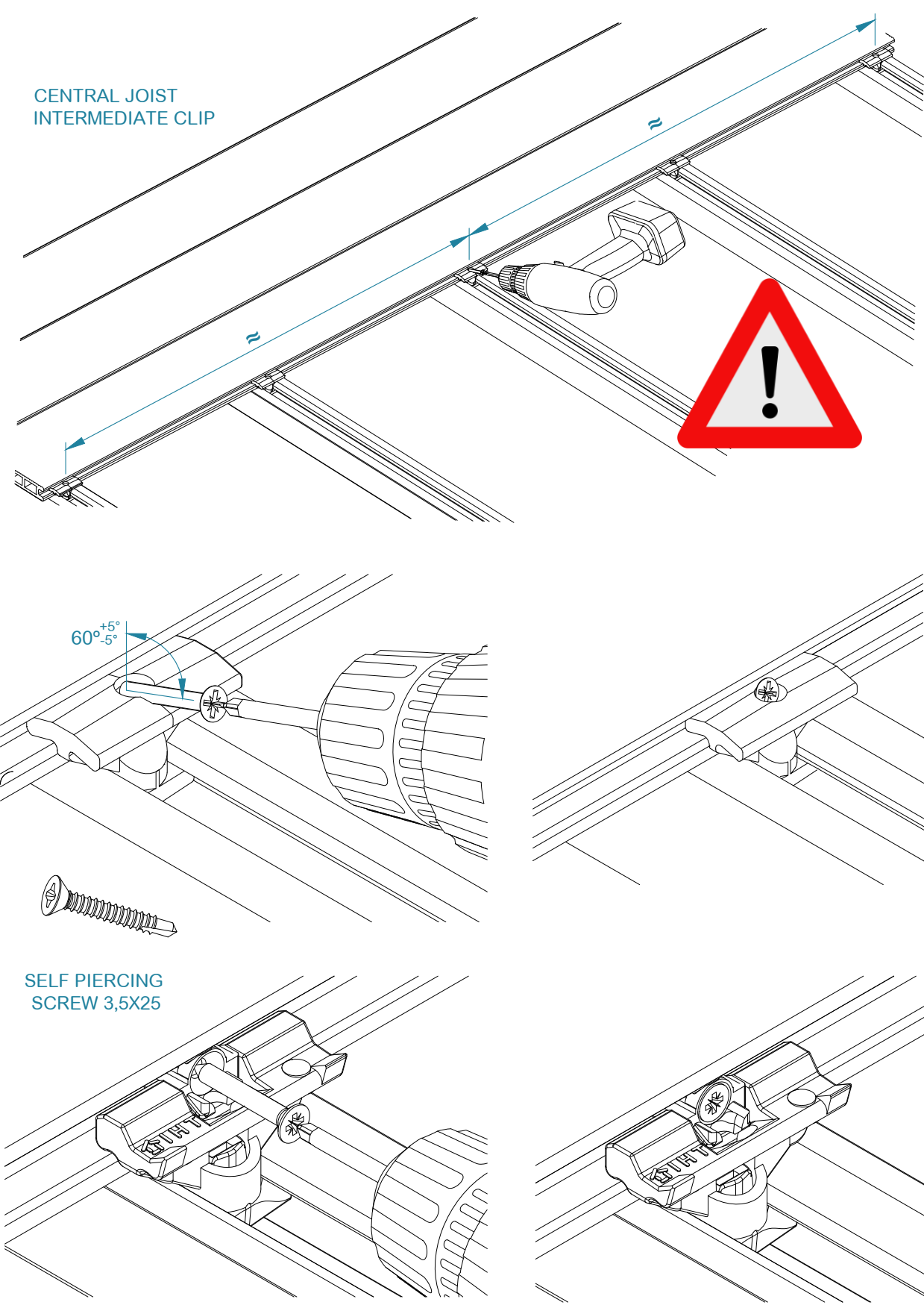
3.4



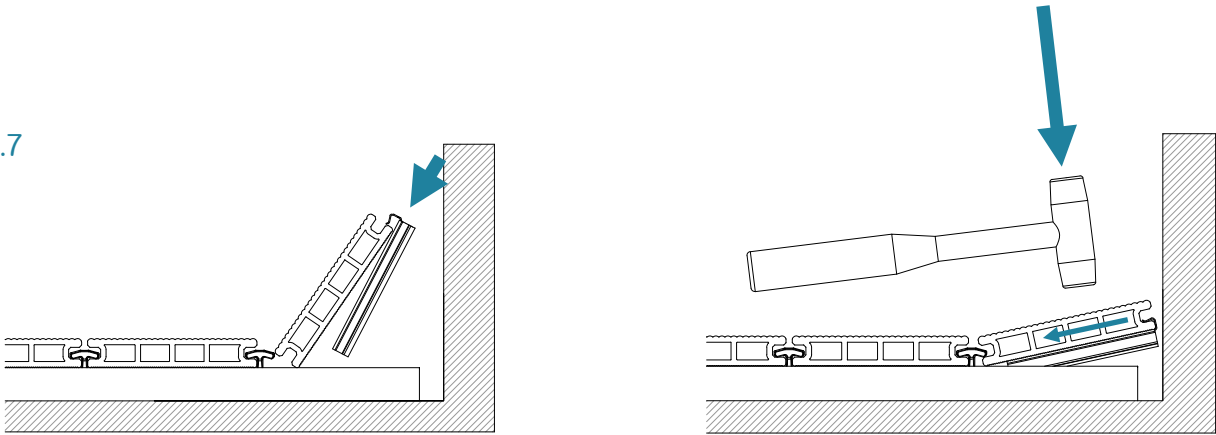
3.5



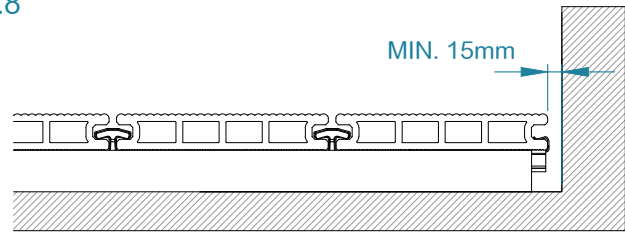
3.6 FASTENING THE BOARD IN THE CENTRAL JOIST (TO AVOID SLIPPAGE)



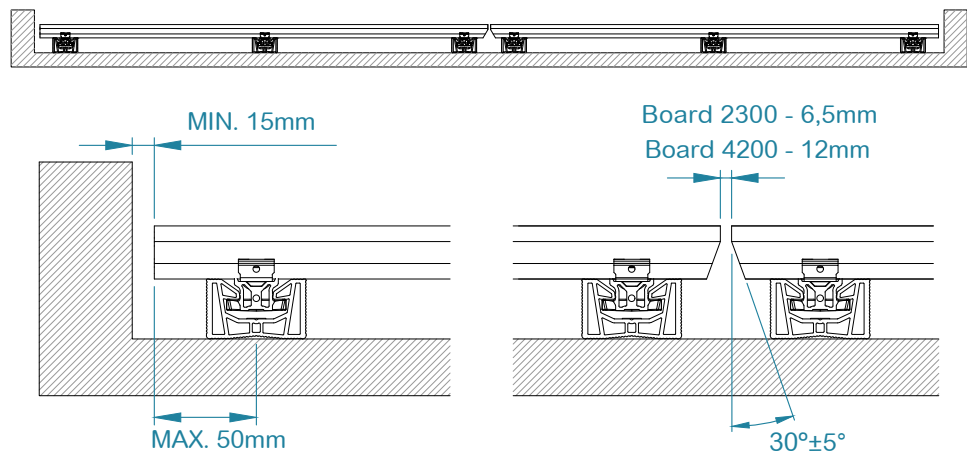
3.7



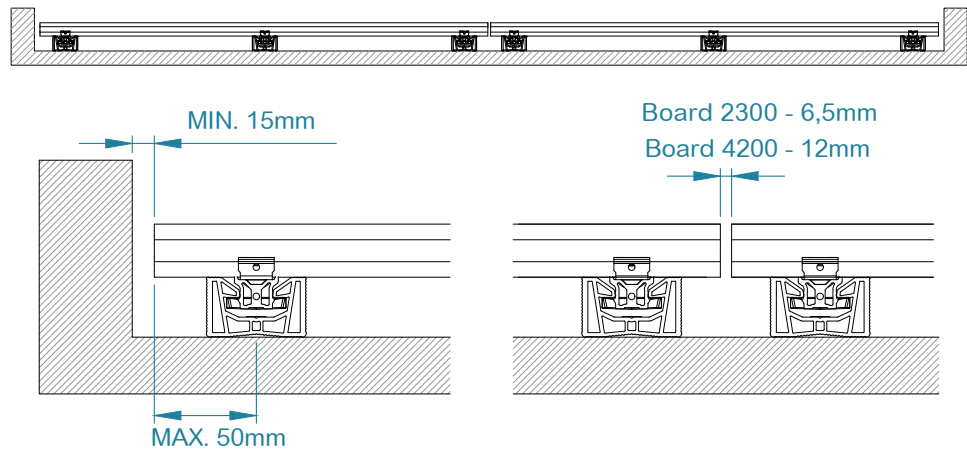
3.8



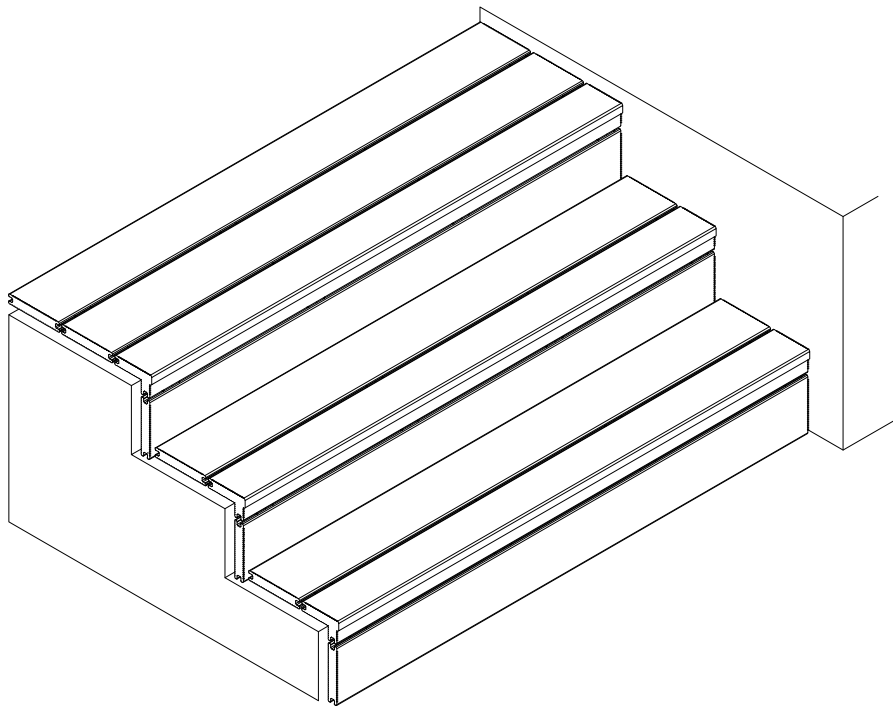
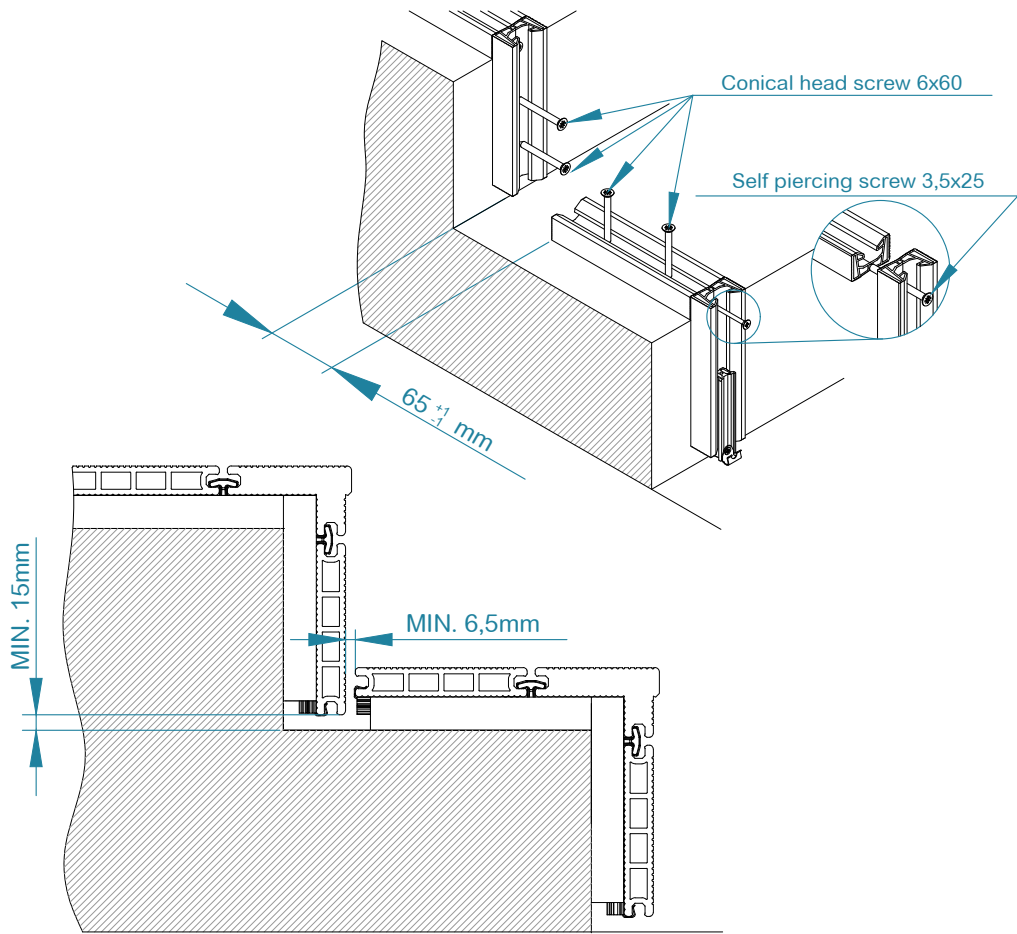
3.9.1 HOLLOW BOARD



3.9.2 SOLID BOARD

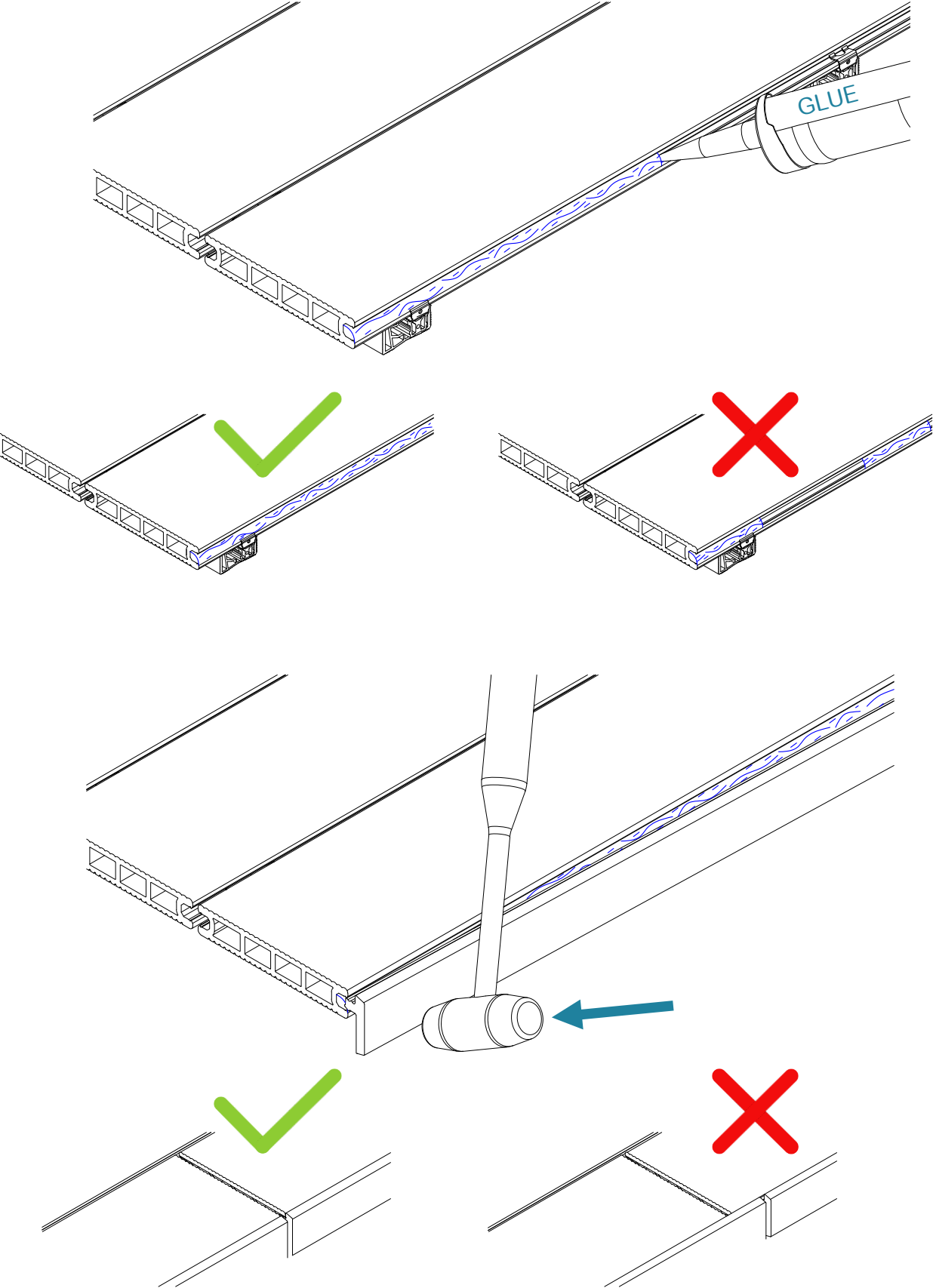


4. CDECK STEP ASSEMBLY

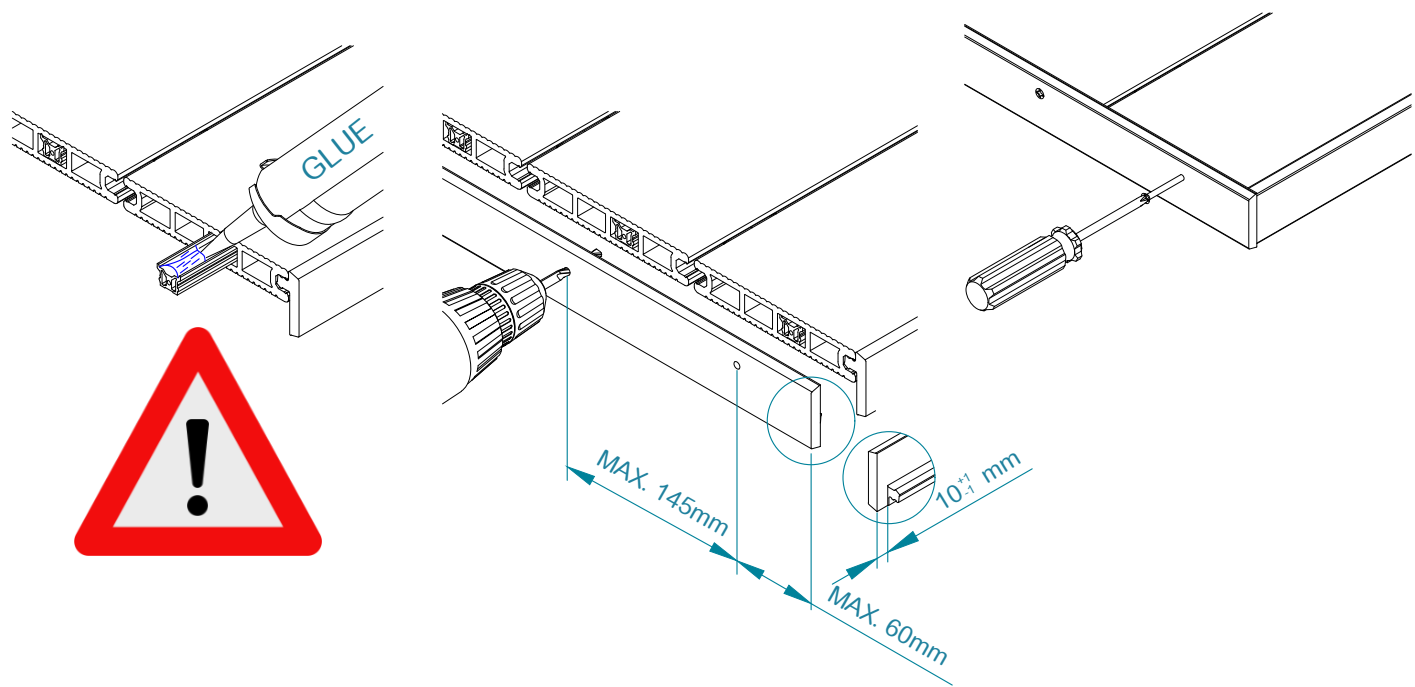


5. FASTENING THE CDECK FASTENER

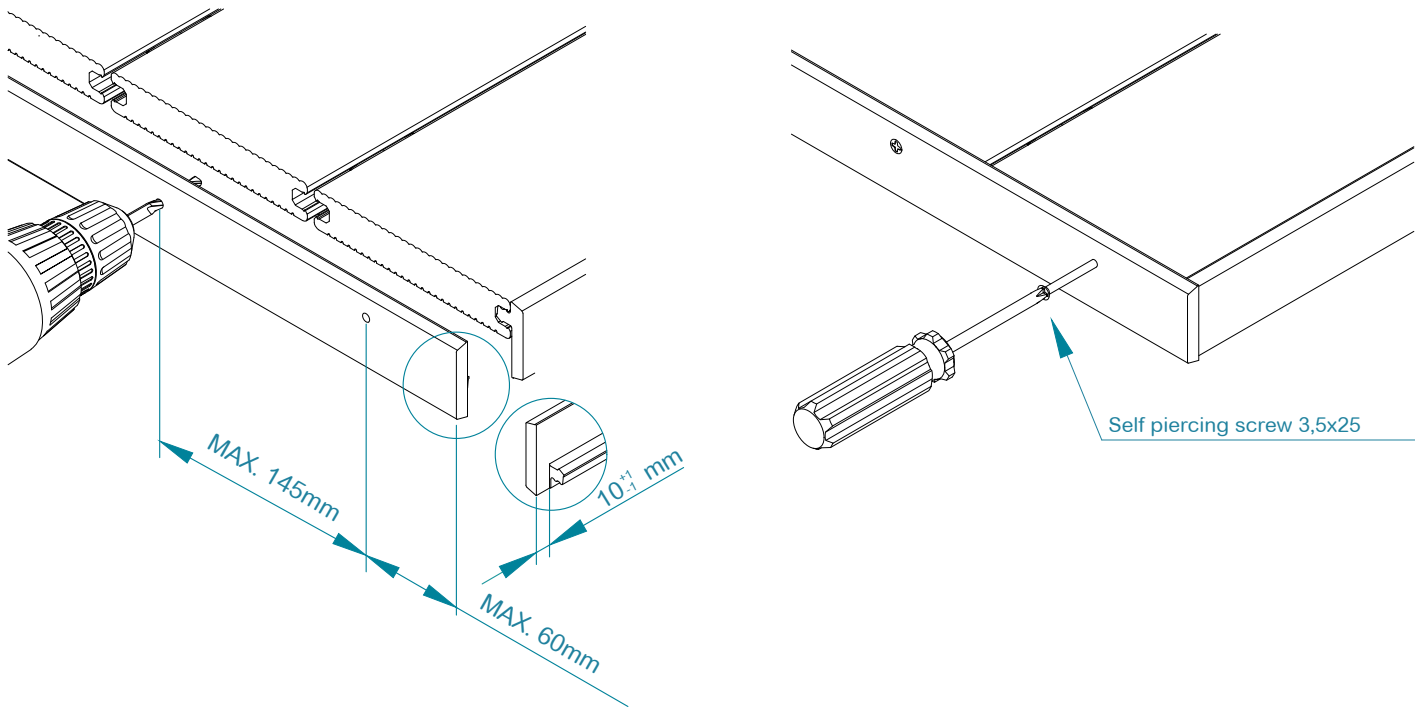
5.1



5.2.1 HOLLOW BOARD

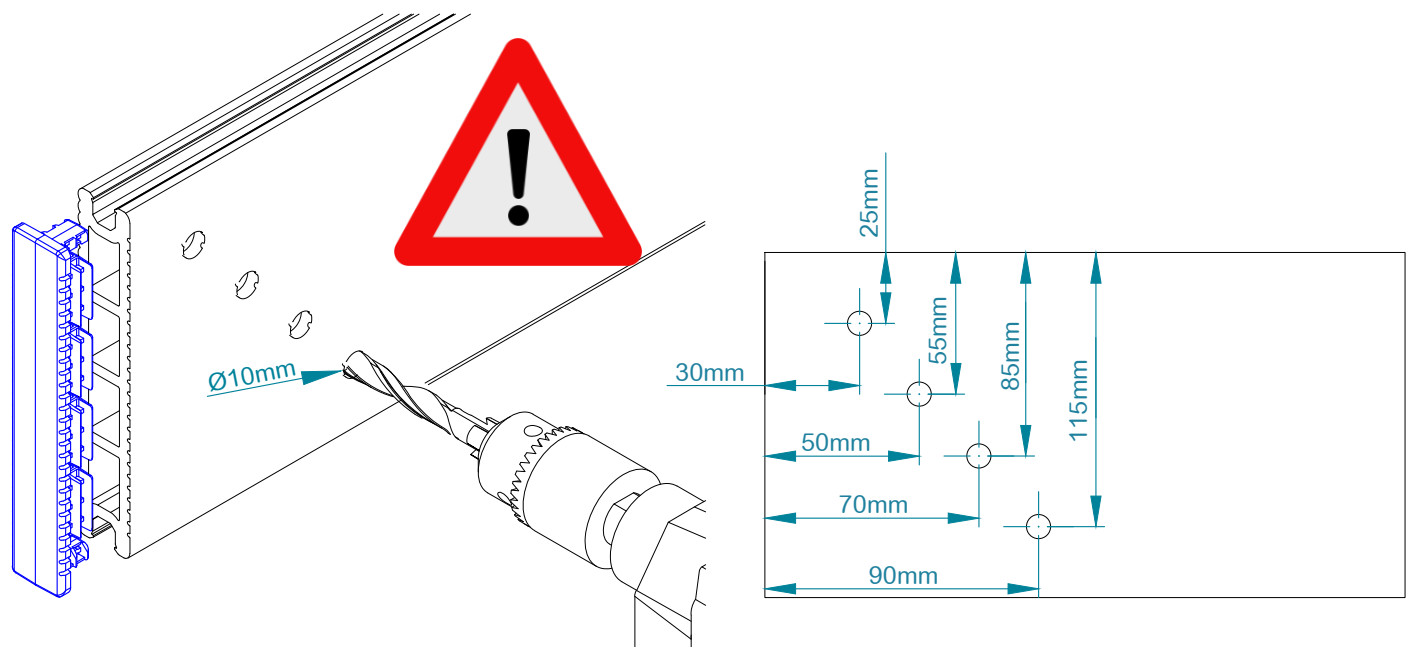


5.2.2 SOLID BOARD

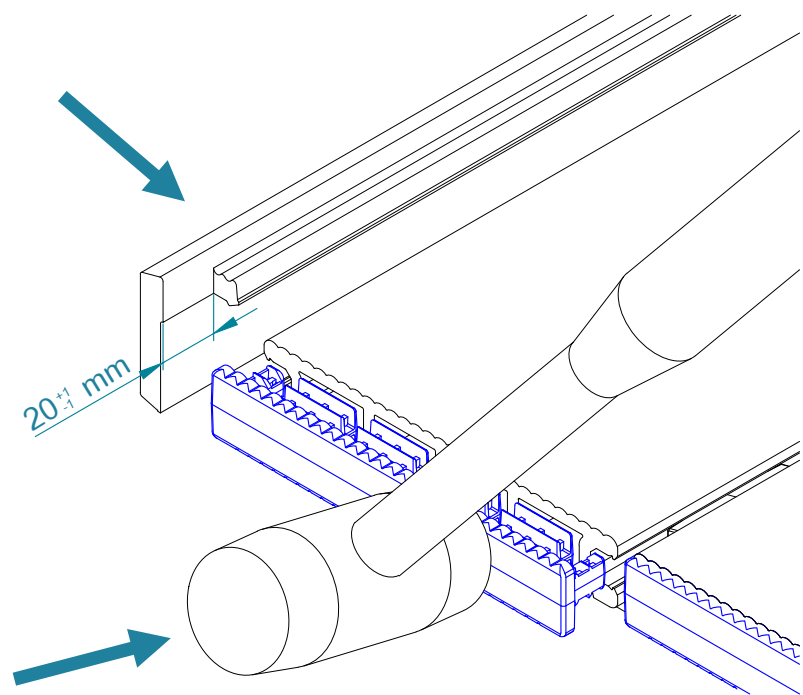


6.HOLLOW BOARD END CAP ASSEMBLY

6.1 OPENING OF HOLES IN THE LOWER PART FOR DRAINAGE/VENTILATION

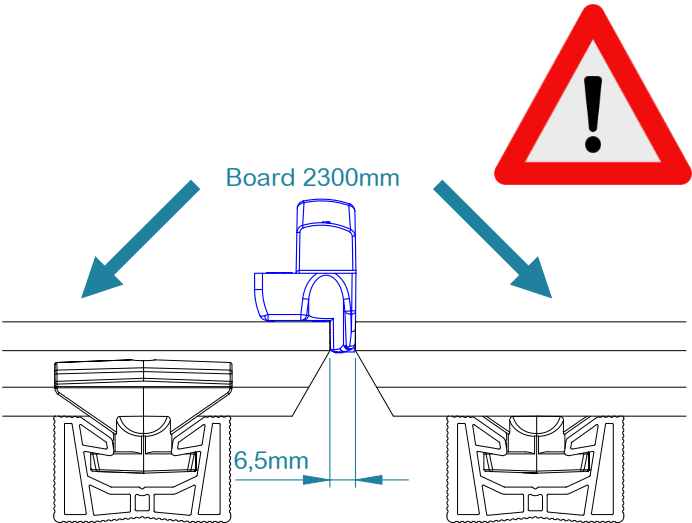
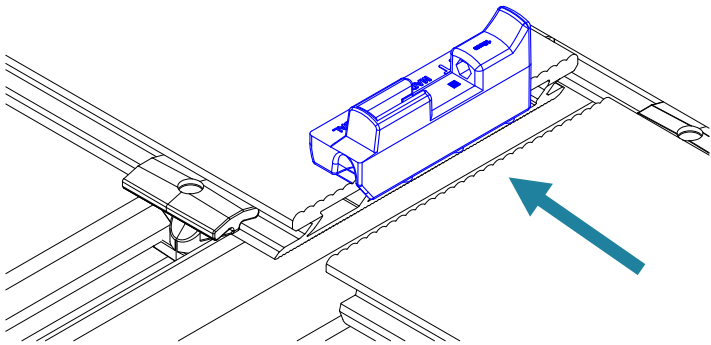


6.2 PLACING THE HOLLOW BOARD END CAP OF THE BOARD

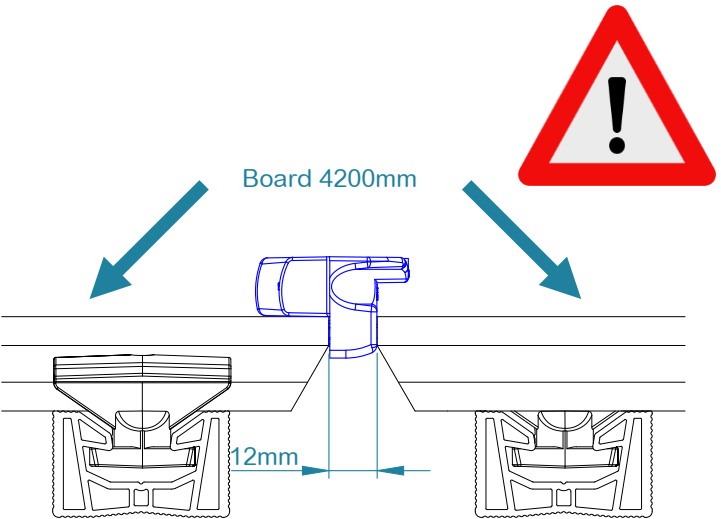
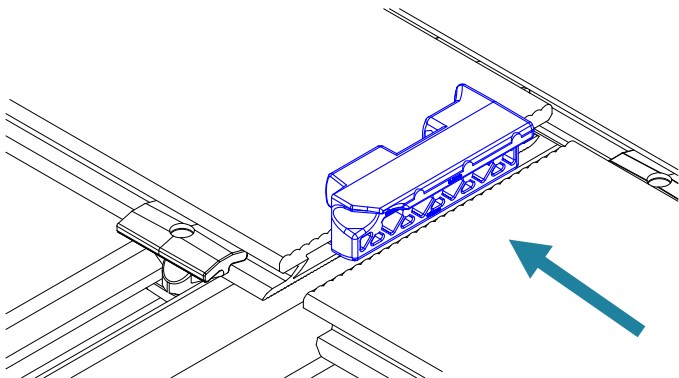


7. USING THE CTOOL TOOL

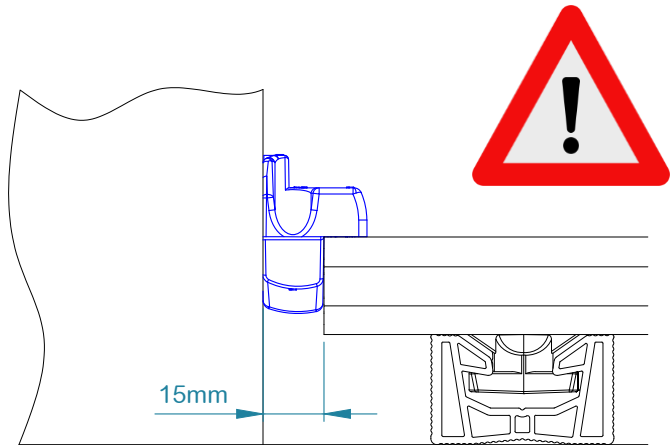
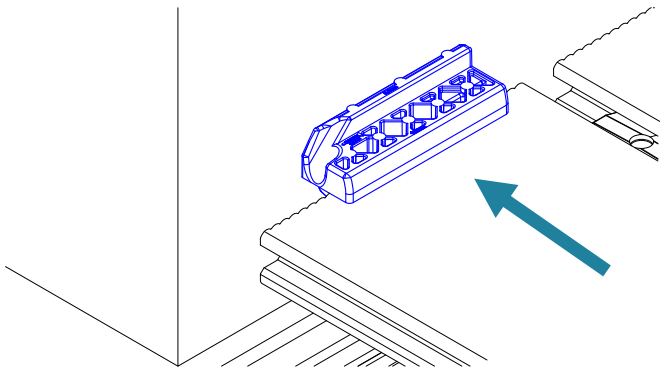
7.1 CLEARENCE OF THE BOARDS 2300



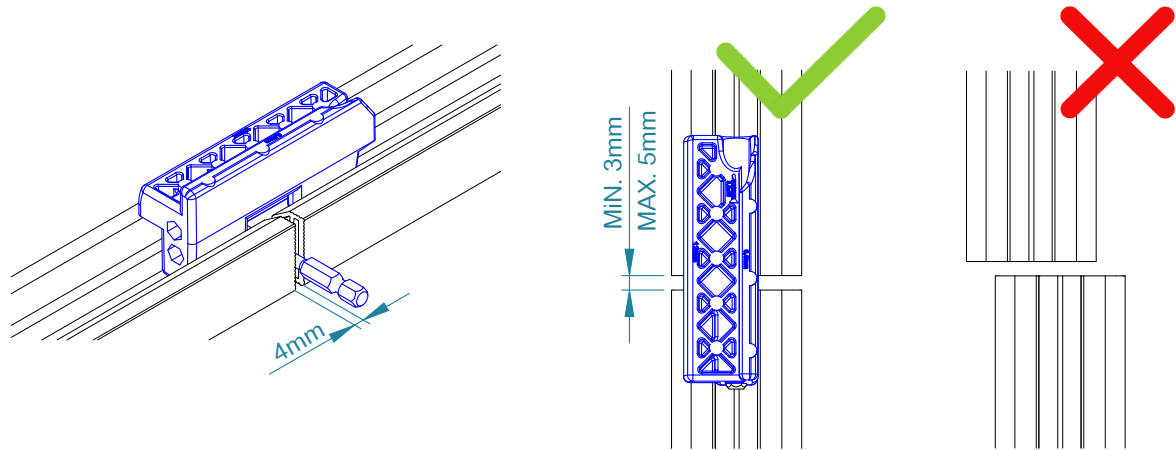
7.2 CLEARENCE OF THE BOARDS 4200



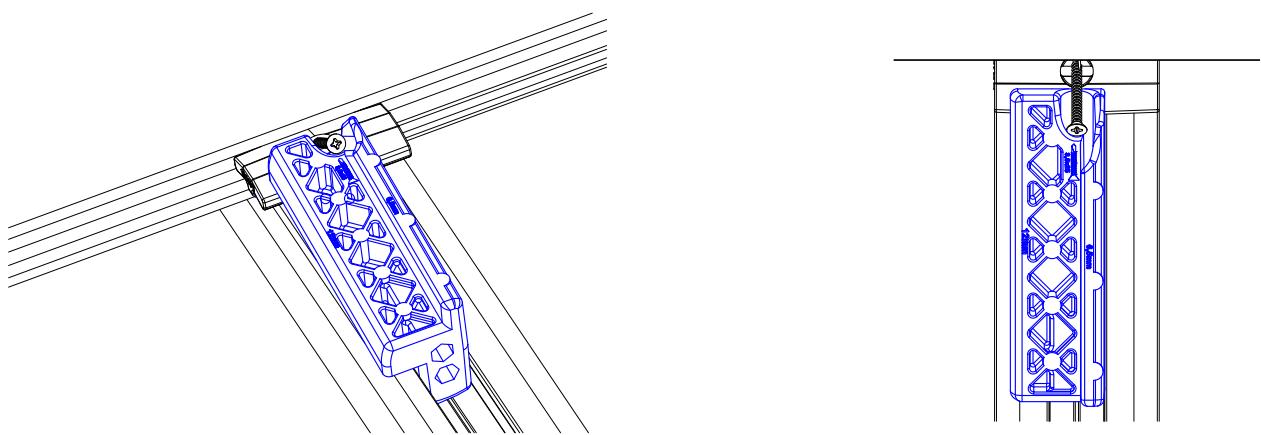
7.3 CLEARENCE FROM THE FIXED ELEMENTS



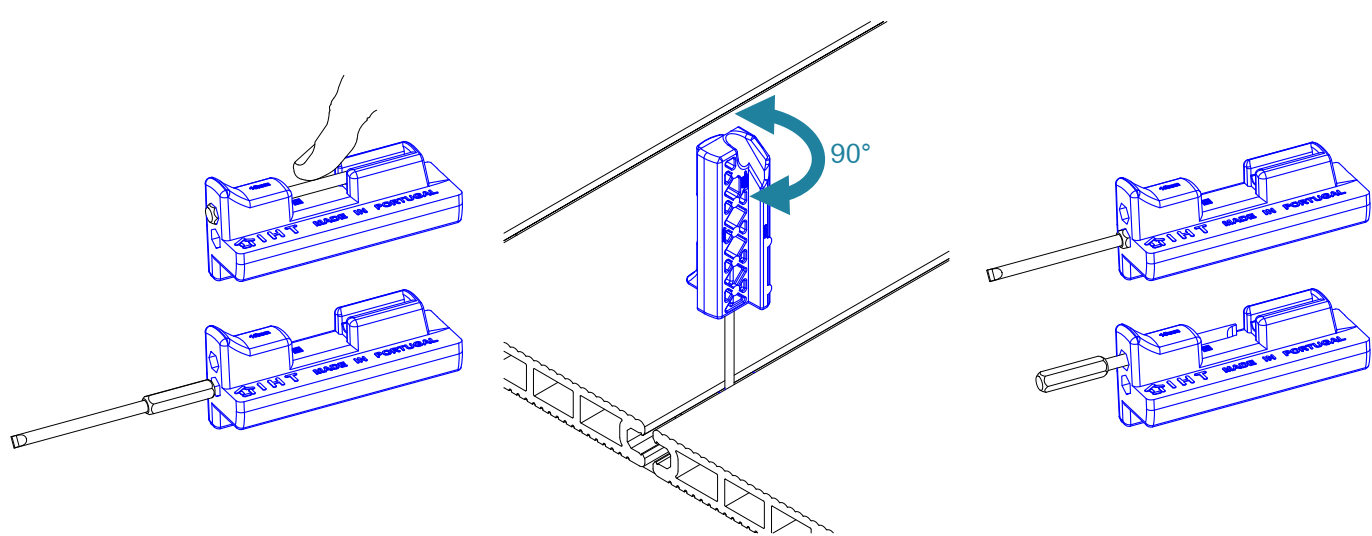
7.4 ALIGNING THE JOISTS



7.5 POSITIONING OF THE BOARD'S CENTRAL CLAMPING SCREW

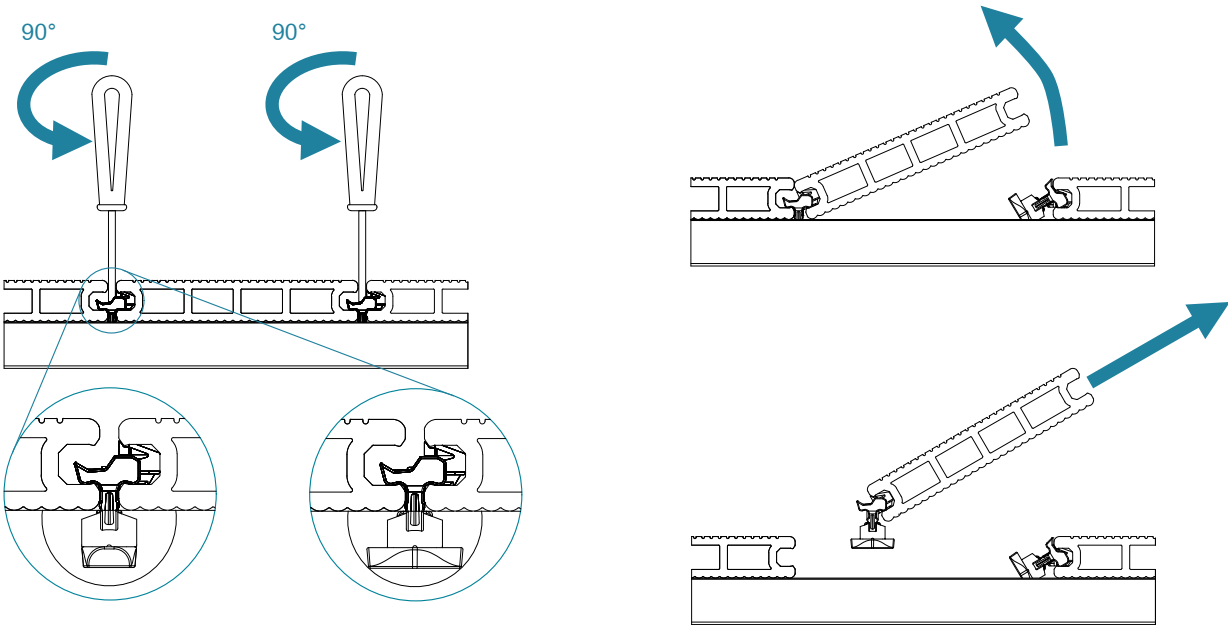


7.6 OPENING AND CLOSING KEY FOR THE QUICK-FIX PRO INTERMEDIATE CLIP

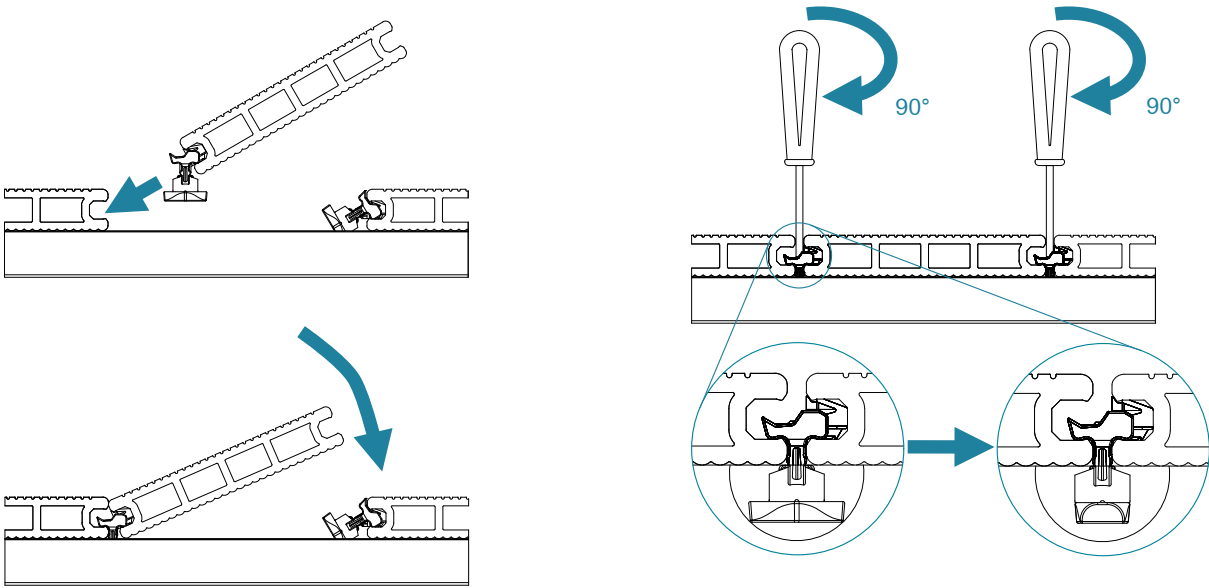


8. UNINSTALLING AND REINSTALLING BOARDS WITH THE QUICK-FIX PRO INTERMEDIATE CLIP

8.1 INDIVIDUAL OPENING OF THE BOARD



8.2 REINSTALLING THE OPEN BOARD



9. CDECK MAINTENANCE

9.1 INITIAL MAINTENANCE

During fitting it is common for a lot of dust to be produced, so we recommend the deck to be thoroughly cleaned with water, mild detergent and a soft brush. You can use a garden hose or a high pressure apparatus (at a minimum distance of 30 cm and a maximum pressure of 150 bar), always washing the boards lengthwise.

9.2 REGULAR MAINTENANCE

CDECK products are easy to maintain; however, this does not mean that they should not be cleaned regularly.

Like any wood, synthetic materials, stone, etc. coating, signs of fungus, moss, etc. can also appear on CDECK products when certain environmental factors are present. Therefore, periodic cleaning is recommended to maintain their good appearance and to ensure that residues do not deposit permanently.

For best results, washing with a pressure machine is the most suitable solution. For more persistent stains, wash the boards with a chlorine solution (bleach), testing various concentrations until the desired result is achieved.

It is also important to avoid moving heavy and/or sharp objects on the deck, as these events can damage the surface layer of the boards.

9.3 GENERAL ASPECTS

CDECK Standard boards are a semi-natural product with exposed wood particles, so they will be subject to variations in color and texture over time. During the first few months after outdoor installation, the color will gradually change until it stabilizes. The final color of the boards will take on a lighter and more natural tone than the original color. Once stabilized, the color and texture will remain virtually unchanged.

CDECK WUUDE boards have a highly UV-resistant coating, which ensures that the color variation is very small over time.

Under certain conditions, static electricity may form on the boards. This is a natural phenomenon due to the fact that CDECK products contain thermoplastic in their composition, but it will tend to disappear as the texture stabilizes.