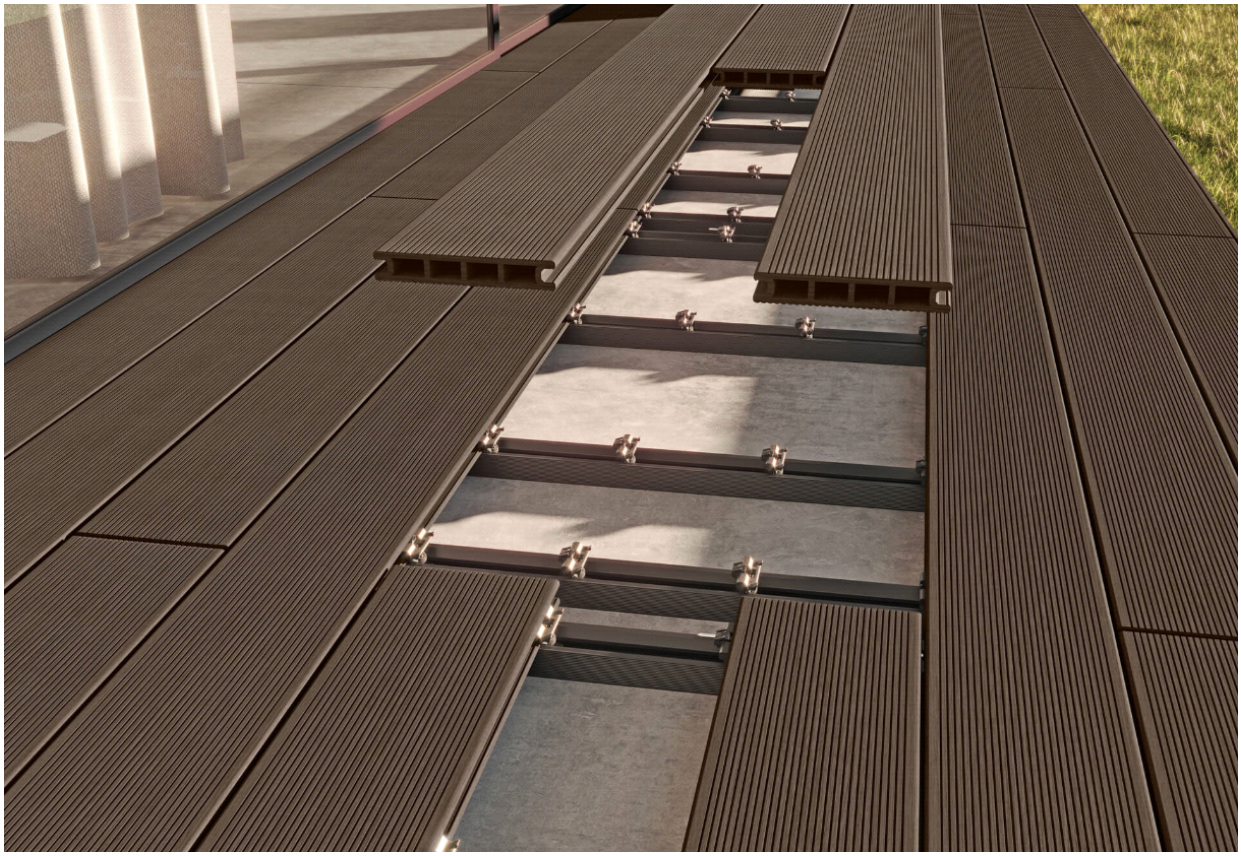


CDECK®
COMPOSITE DECKING

TECHNICAL DATASHEET

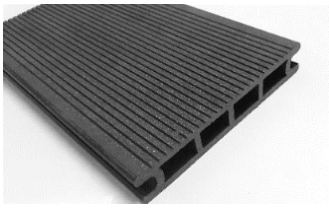
IHT®
INNOVATIVE HOME TECHNOLOGY

www.iht-group.com

CDECK Boards

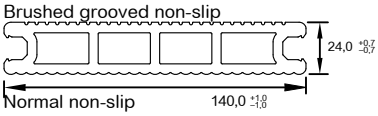
Hollow Board 2300x140x24

HTS Code: 39269097



Weight mL - 2,40kg (± 0,2)
Length Tolerance -5/+15mm

Brushed grooved non-slip

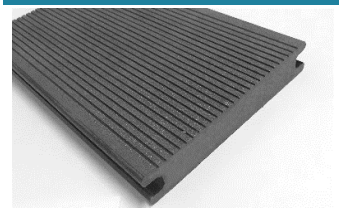


Reference	Color	Dimensions (L x W x H) mm	Weight (kg/Board)
DEU01230BF	BF - Beech Beige	2300 x 140 x 24	5,53 Kg
DEU01230BR	BR - Rose Beige	2300 x 140 x 24	5,53 Kg
DEU01230CI	CI - Grey	2300 x 140 x 24	5,53 Kg
DEU01230RW	RW-RedWood	2300 x 140 x 24	5,53 Kg
DEU01230CH	CH-Chocolate	2300 x 140 x 24	5,53 Kg
DEU01230NE	NE - Dark Black	2300 x 140 x 24	5,53 Kg

Features Pallet:				
	Length:	2,32 m	No. Of boards:	175
	Width:	0,72 m	Volume:	1,57 m^3
	Height:	0,94 m	Weight:	973,2 Kg

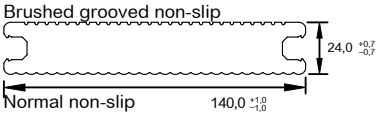
Solid Board 2300x140x24

HTS Code: 39269097



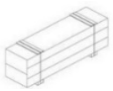
Weight mL - 4,11kg (± 0,2)
Length Tolerance -5/+15mm

Brushed grooved non-slip



Reference	Color	Dimensions (L x W x H) mm	Weight (kg/Board)
DEU03230BF	BF - Beech Beige	2300 x 140 x 24	9,46 Kg
DEU03230BR	BR - Rose Beige	2300 x 140 x 24	9,46 Kg
DEU03230CI	CI - Grey	2300 x 140 x 24	9,46 Kg
DEU03230RW	RW-RedWood	2300 x 140 x 24	9,46 Kg
DEU03230CH	CH-Chocolate	2300 x 140 x 24	9,46 Kg
DEU03230NE	NE - Dark Black	2300 x 140 x 24	9,46 Kg

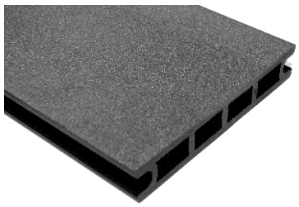
Features Pallet:				
	Length:	2,32 m	No. Of boards:	100
	Width:	0,72 m	Volume:	0,97 m^3
	Height:	0,58 m	Weight:	951,0 Kg



CDECK CCF Boards

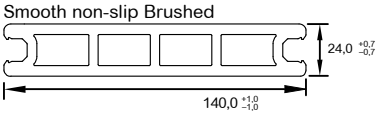
Hollow Board CCF 2300x140x24

HTS Code: 39269097



Weight mL - 2,54kg (± 0,2)
Length Tolerance -5/+15mm

Smooth non-slip Brushed



Reference	Color	Dimensions (L x W x H) mm	Weight (kg/Board)
DEU08230BF	BF - Beech Beige	2300 x 140 x 24	5,86 Kg
DEU08230BR	BR - Rose Beige	2300 x 140 x 24	5,86 Kg
DEU08230CI	CI - Grey	2300 x 140 x 24	5,86 Kg
DEU08230RW	RW-RedWood	2300 x 140 x 24	5,86 Kg
DEU08230CH	CH-Chocolate	2300 x 140 x 24	5,86 Kg
DEU08230NE	NE - Dark Black	2300 x 140 x 24	5,86 Kg

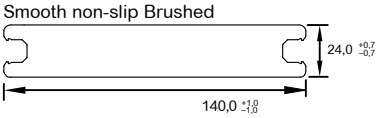
Features Pallet:				
	Length:	2,32 m	No. Of boards:	175
	Width:	0,72 m	Volume:	1,57 m^3
	Height:	0,94 m	Weight:	1029,7 Kg

Solid Board CCF 2300x140x24

HTS Code: 39269097

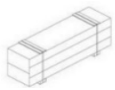
Weight mL - 4,33kg (± 0,2)
Length Tolerance -5/+15mm

Smooth non-slip Brushed



Reference	Color	Dimensions (L x W x H) mm	Weight (kg/Board)
DEU09230BF	BF - Beech Beige	2300 x 140 x 24	9,97 Kg
DEU09230BR	BR - Rose Beige	2300 x 140 x 24	9,97 Kg
DEU09230CI	CI - Grey	2300 x 140 x 24	9,97 Kg
DEU09230RW	RW-RedWood	2300 x 140 x 24	9,97 Kg
DEU09230CH	CH-Chocolate	2300 x 140 x 24	9,97 Kg
DEU09230NE	NE - Dark Black	2300 x 140 x 24	9,97 Kg

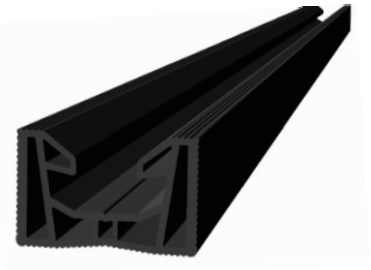
Features Pallet:				
	Length:	2,32 m	No. Of boards:	100
	Width:	0,72 m	Volume:	0,97 m^3
	Height:	0,58 m	Weight:	1002,4 Kg



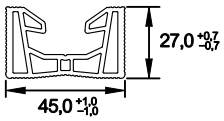
Quick-Fix Fixing Profiles

Quick-Fix Joist 2300x45x27

HTS Code: 39162000



Reference	Color	Dimensions (L x W x H) mm	Weight (kg/joist)
DEU11230PR	Black	2300 x 45 x 27	1,56 Kg

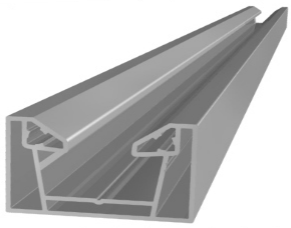


Weight mL - 0,68kg (± 0,2)
Length Tolerance -5/+15mm

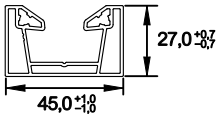
Features Pallet:				
	Length:	2,32 m	No. Of profiles:	360
	Width:	0,72 m	Volume:	1,34 m^3
	Height:	0,80 m	Weight:	568,2 Kg

Quick-Fix Joist ALU

HTS Code: 76042100



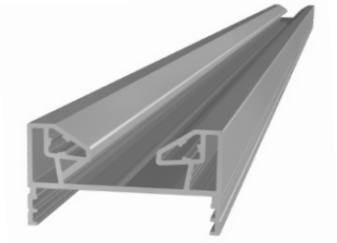
Reference	Color	Dimensions (L x W x H) mm	Weight (kg/joist)
DEU13230AL	Grey	2300 x 45 x 27	1,65 Kg



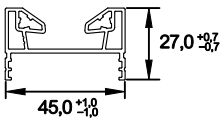
Weight mL - 0,72kg (± 0,2)
LengthTolerance -5/+15mm

Quick-Fix Joist ALU PT40

HTS Code: 76042100



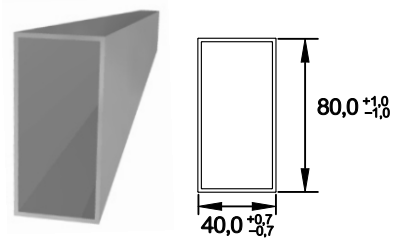
Reference	Color	Dimensions (L x W x H) mm	Weight (kg/joist)
DEU16617AL	Grey	6175 x 45 x 27	3,70 Kg



Weight mL - 0,60kg (± 0,2)
Length Tolerance -5/+15mm

Tube Alu 80x40x1.8 mm

HTS Code: 76042100



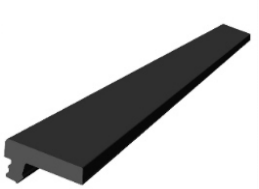
Reference	Color	Dimensions (L x W x H) mm	Weight (kg/profile)
DEU17230AL	Grey	2300 x 80 x 40	2,58 Kg

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

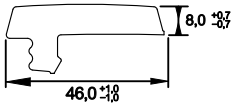
Finishing Profiles

Fastener 2300x46x8mm

HTS Code: 39269097

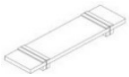


Weight mL - 0,63kg (± 0,1)
Length Tolerance -5/+15mm



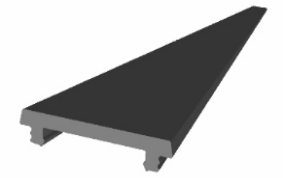
Reference	Color	Dimensions (L x W x H) mm	Weight (kg/profile)
DEU21230BF	BF - Beech Beige	2300 x 46 x 8	1,47 Kg
DEU21230BR	BR - Rose Beige	2300 x 46 x 8	1,47 Kg
DEU21230CH	CH-Chocolate	2300 x 46 x 8	1,47 Kg
DEU21230CI	CI - Grey	2300 x 46 x 8	1,47 Kg
DEU21230NE	NE - Dark Black	2300 x 46 x 8	1,47 Kg
DEU21230RW	RW-RedWood	2300 x 46 x 8	1,47 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:	78,4 Kg

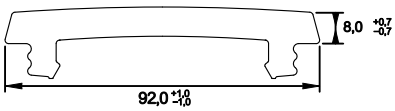


Fastener 2300x92x8mm

HTS Code: 39269097

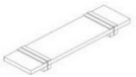


Weight mL - 1,35kg (± 0,2)
Length Tolerance -5/+15mm



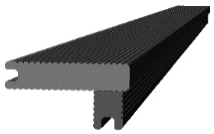
Reference	Color	Dimensions (L x W x H) mm	Weight (kg/profile)
DEU23230BF	BF - Beech Beige	2300 x 92 x 8	3,12 Kg
DEU23230BR	BR - Rose Beige	2300 x 92 x 8	3,12 Kg
DEU23230CH	CH-Chocolate	2300 x 92 x 8	3,12 Kg
DEU23230CI	CI - Grey	2300 x 92 x 8	3,12 Kg
DEU23230NE	NE - Dark Black	2300 x 92 x 8	3,12 Kg
DEU23230RW	RW-RedWood	2300 x 92 x 8	3,12 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:	136,2 Kg

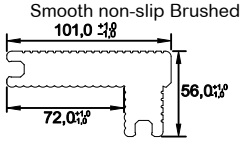


Step 2300x101x56 mm

HTS Code: 39269097



Smooth non-slip Brushed



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

Reference	Color	Dimensions (L x W x H) mm	Weight (kg/Step)
DEU22230BF	BF - Beech Beige	2300 x 101 x 56	9,17 Kg
DEU22230BR	BR - Rose Beige	2300 x 101 x 56	9,17 Kg
DEU22230CH	CH-Chocolate	2300 x 101 x 56	9,17 Kg
DEU22230CI	CI - Grey	2300 x 101 x 56	9,17 Kg
DEU22230NE	NE - Dark Black	2300 x 101 x 56	9,17 Kg
DEU22230RW	RW-RedWood	2300 x 101 x 56	9,17 Kg

Accessories

Intermediate Clip

HTS Code: 39259010

Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
100	DEC70001CAC	CA - Brown	230 x 170 x 90	1,35 Kg
100	DEC70001CZC	CZ - Grey	230 x 170 x 90	1,35 Kg
100	DEC70001PRC	PR - Black	230 x 170 x 90	1,35 Kg
500	DEC70001CAD	CA - Brown	380 x 280 x 150	6,06 Kg
500	DEC70001CZD	CZ - Grey	380 x 280 x 150	6,06 Kg
500	DEC70001PRD	PR - Black	380 x 280 x 150	6,06 Kg

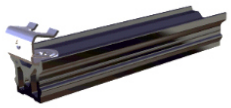
Quick-Fix PRO Intermediate Clip

HTS Code: 39259010

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

Quick-Fix Terminal Clip

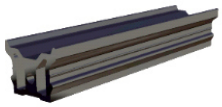
HTS Code: 39259010



Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
25	DEC70002PRQ	PR - Black	110 x 100 x 80	0,65 Kg

Fastener Holder

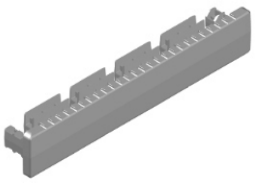
HTS Code: 39259010



Unid / Package	Reference	Color	Box dimensions (L x W x H) mm	Weight (kg/box)
25	DEC70003PRQ	PR - Black	110 x 100 x 80	0,42 Kg

Hollow Board End Cap 140X24

HTS Code: 39259010



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

Inox screw 6X60 with Plug Ø8

HTS Code: 73181535

Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
50	DEC80001IXX	Screw PZ3 with Stainless Steel A2	6X60 with Plug Ø8	0,42 Kg

Box features and n.º of packages:				
	Length:	0,23 m	No. Of Sachets per box:	4
	Width:	0,17 m	Volume:	0,004 m^3
	Height:	0,09 m	Weight:	1,68 Kg

Self Drilling Srew 3,5X25 Stainless Steel

HTS Code: 73181535

Unit/ sachet	Reference	Type	Dimensions mm	Weight (kg/sachet)
100	DEC80002IXC	Screw PH2 with Stainless Steel A2	3,5x25	0,13 Kg

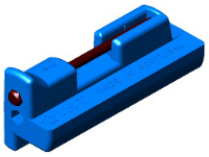
Box features and n.º of packages:				
	Length:	0,10 m	No. Of Sachets per box:	5
	Width:	0,11 m	Volume:	0,001 m^3
	Height:	0,08 m	Weight:	0,65 Kg

HTS Code: 73181535 **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:	0,23 m	No. Of Sachets per box:	4
	Width:	0,17 m	Volume:	0,004 m3
	Height:	0,09 m	Weight:	0,60 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	0,05 Kg

Box features and n.º of packages:				
	Length:	0,10 m	No. Of Sachets per box:	5
	Width:	0,11 m	Volume:	0,001 m3
	Height:	0,08 m	Weight:	0,25 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	3	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

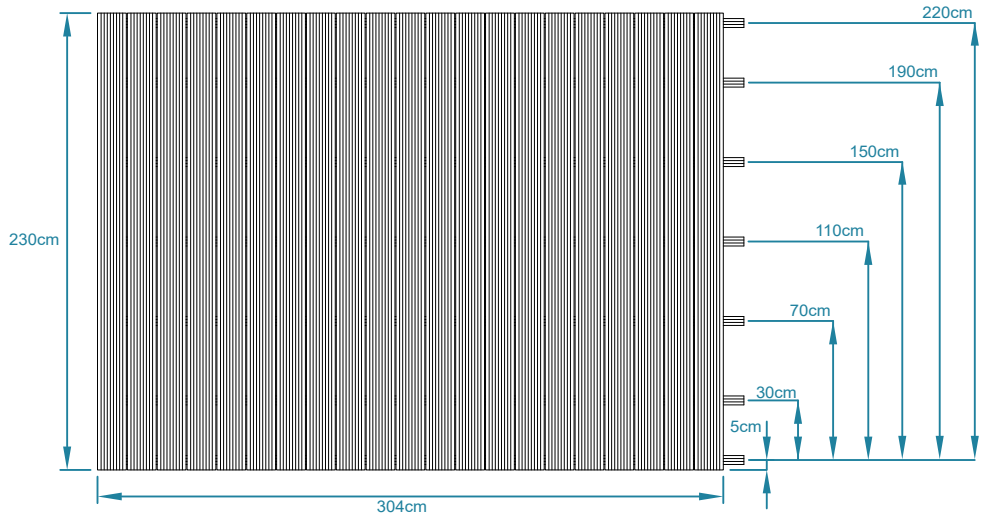
Unid / Package	Reference	Type	Dimensions mm	Weight (kg/Package)
1	DEC600TSC2	Pending broker 2% to 4%	2mm	0,05 Kg

Estimated Price 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

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..

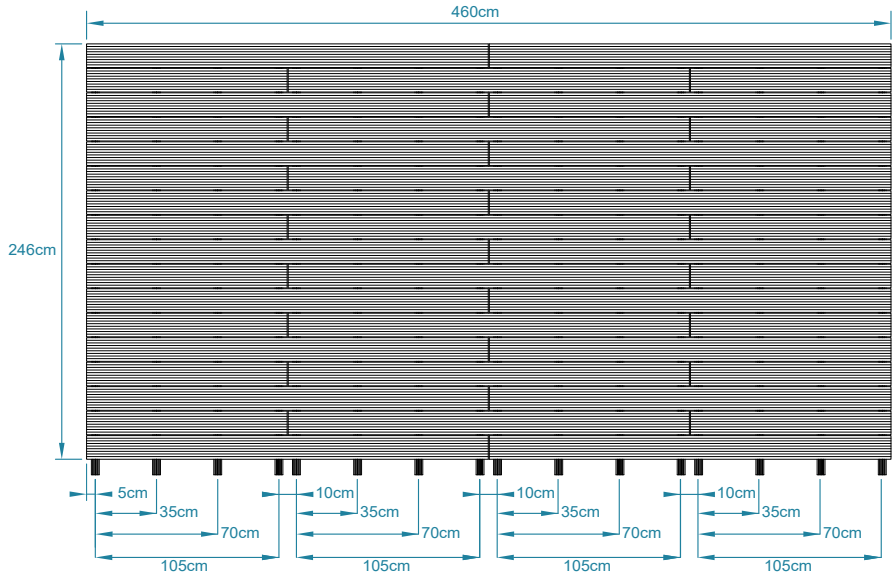


Estimated Price by SQ.M. for Commercial Use

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

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 MANUAL

GENERAL RULES

• 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.

• Due to the fact that the base material (WPC) includes wood, there may be small differences of colour between profiles. It is therefore advisable to have a varied distribution of profiles, to cater for these natural discrepancies.

• Before starting the installation you should always check that you have the latest version of the installation manual.

• 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 Deckingand so the space between the boards and the space between the boards and the ground should never be obstructed.

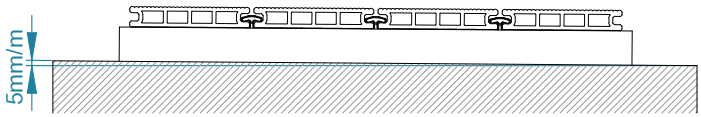
• The CDECK range is intended for use in areas of movement involving pedestrian use only.

• If you have any different needs that are not covered by this manual, you should contact IHT to obtain additional instructions.

1. SURFACE PREPARATION

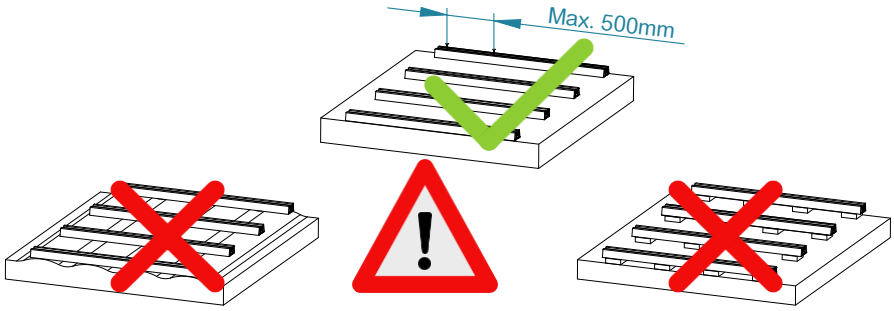
1.1

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



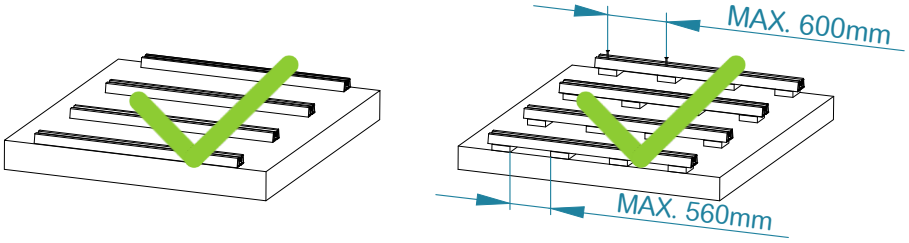
1.2.1

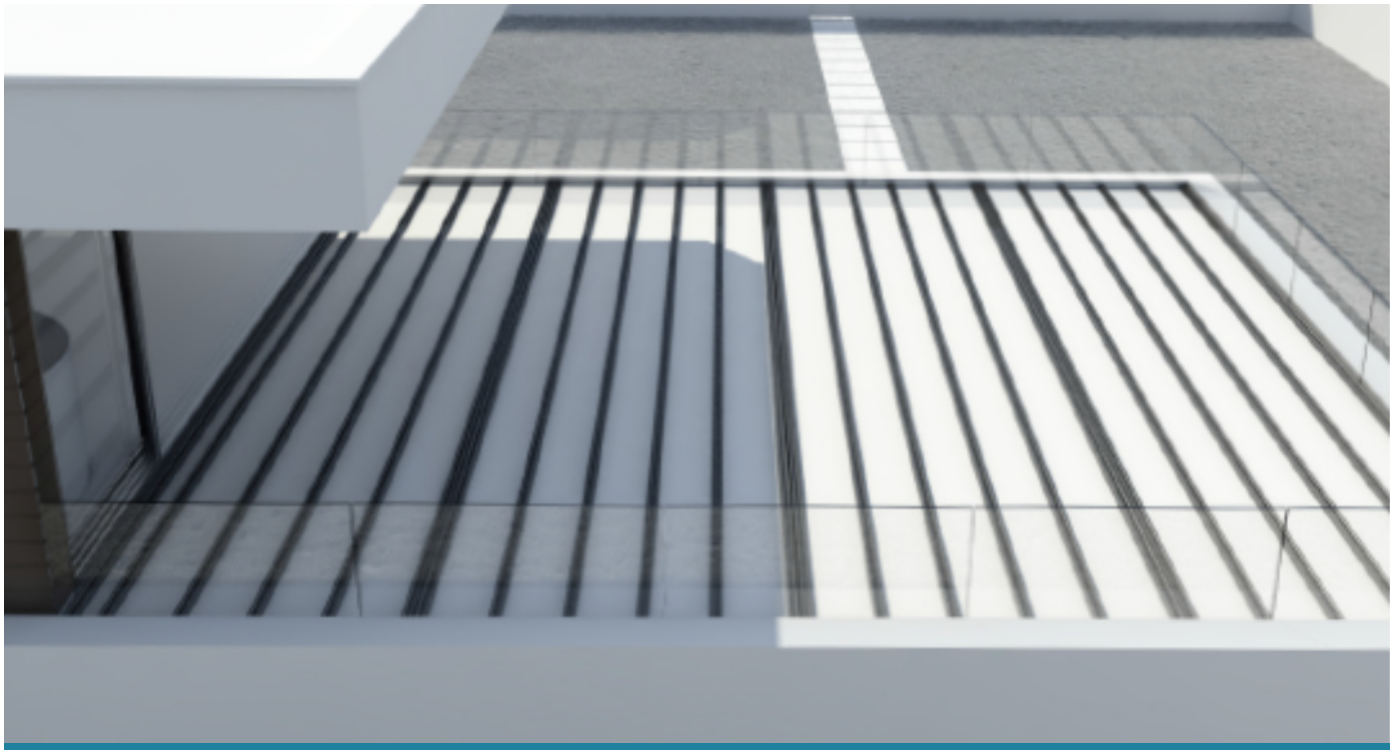
DEU11230PR



1.2.2

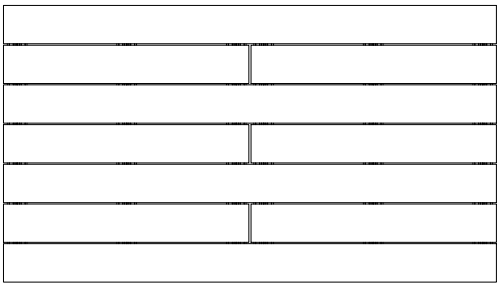
DEU13230AL

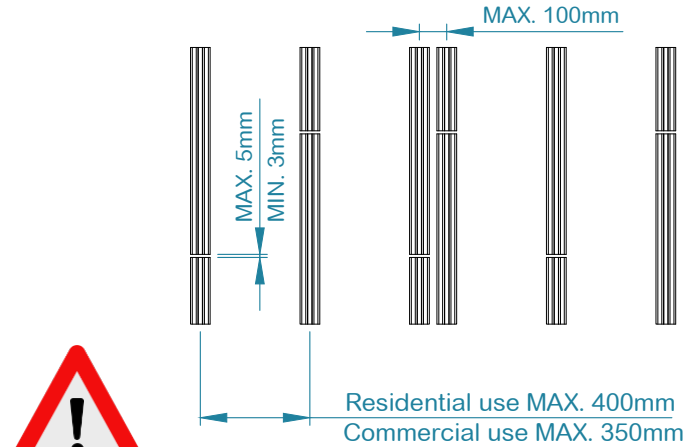




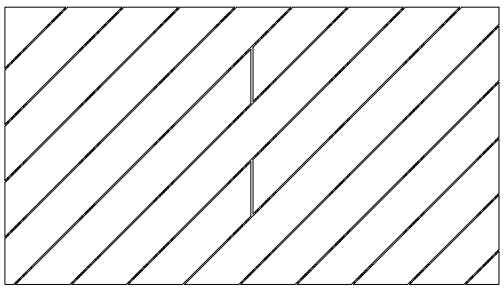
2. FASTENING THE QUICK-FIX JOINTS

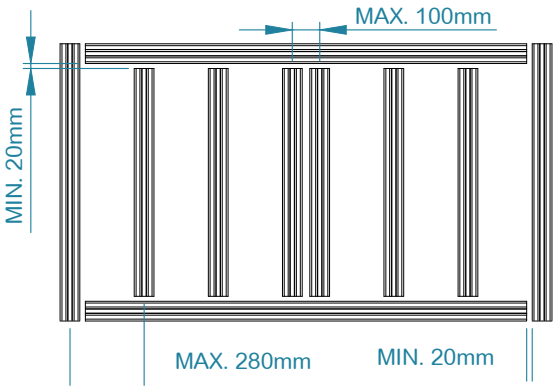
2.1 LAGGED ASSEMBLY (ENGLISH ASSEMBLY)



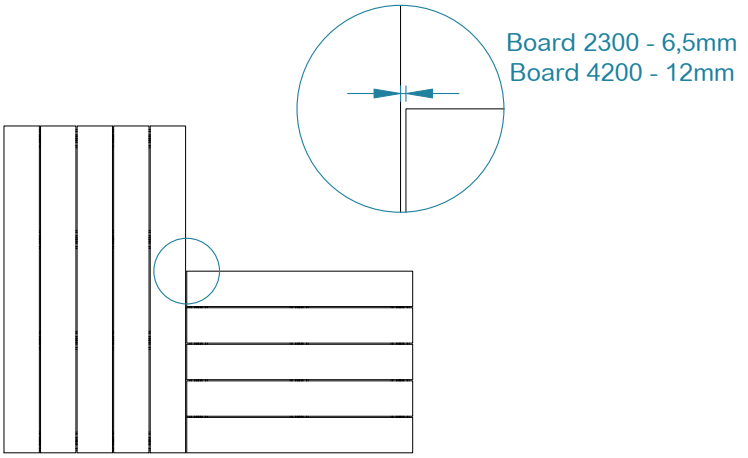


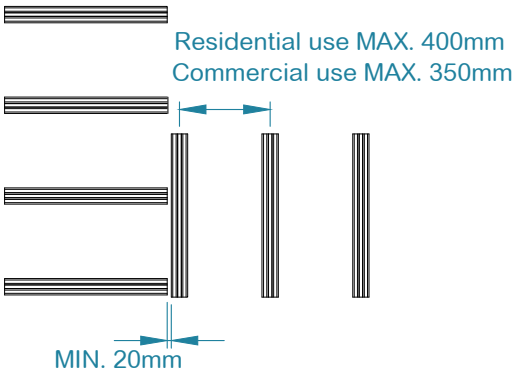
2.2 LAGGED ASSEMBLY (ENGLISH ASSEMBLY) AT 45°



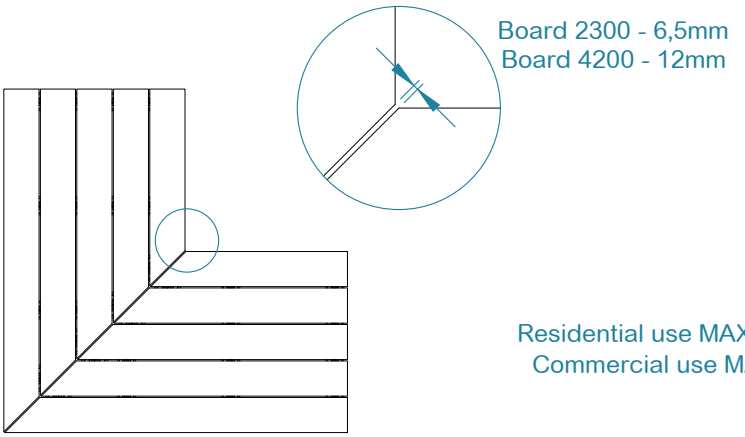


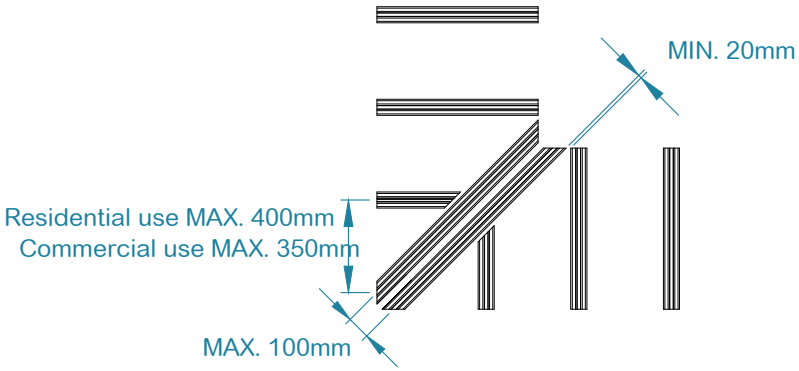
2.3 PERPENDICULAR FINISHING





2.4 SQUARE FINISHING





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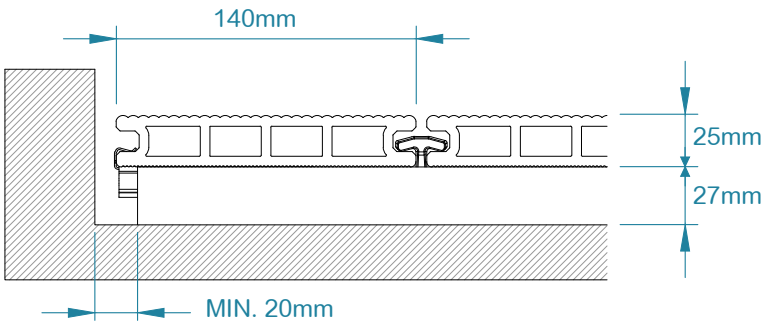
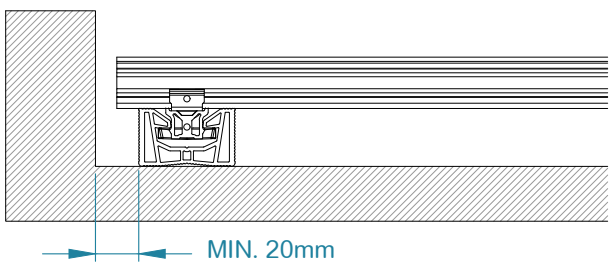
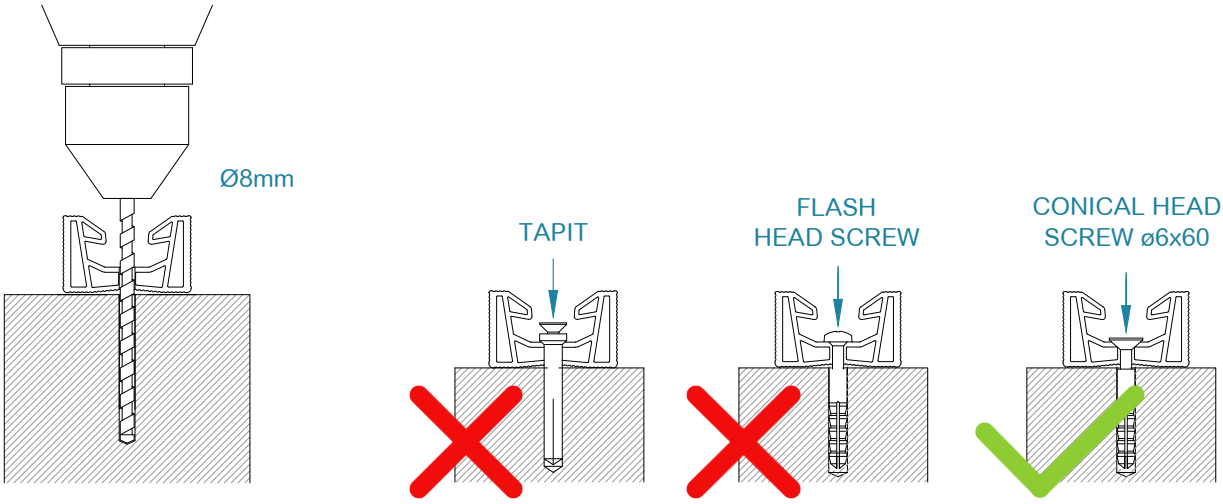
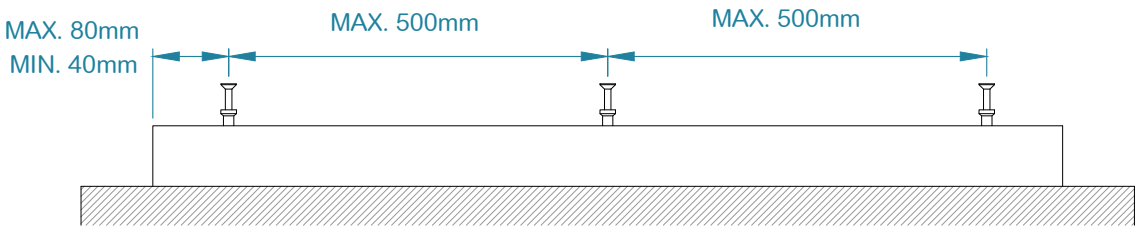




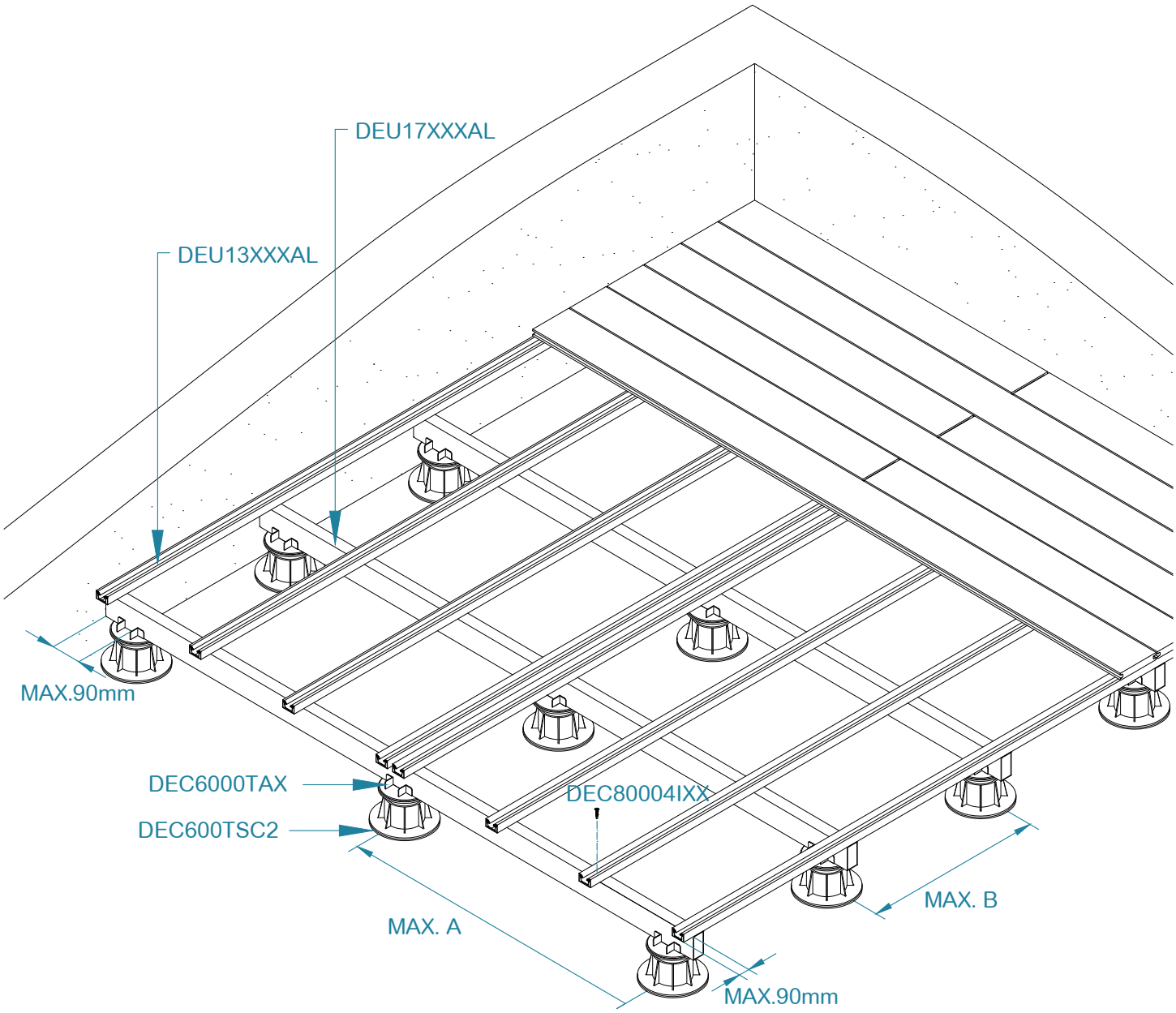
2.6


Ø8mm
TAPIT
FLASH
HEAD SCREW
CONICAL HEAD
SCREW ø6x60

2.7


MAX. 80mm
MIN. 40mm
MAX. 500mm
MAX. 500mm

2.7 SUSPENDED INSTALLATION

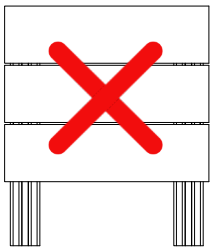


Max. distance A	Max. distance B	Uniform load Max. por sq.m
1150 mm	600 mm	200 Kg/sq.m
770 mm	500 mm	350 Kg/sq.m
575 mm	400 mm	500 Kg/sq.m

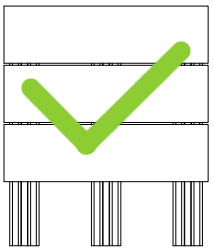
To ensure the stability of the system, it is mandatory that aluminum structure must be attached to at least one external fixed element

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.



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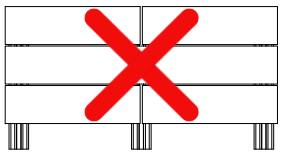
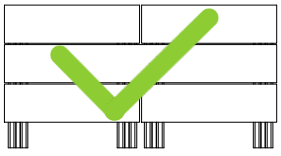
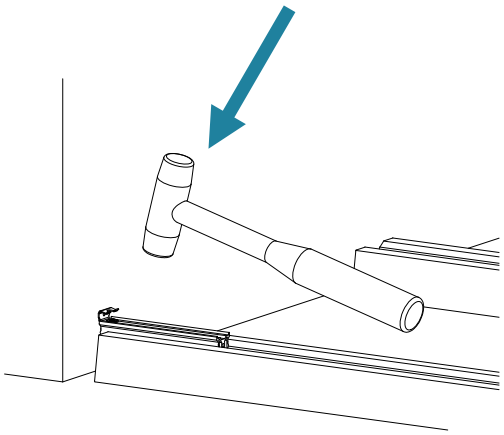
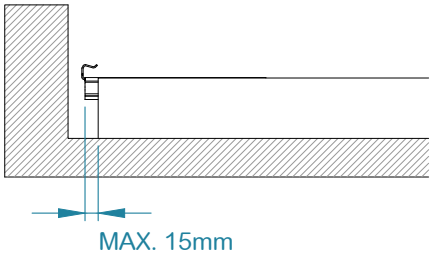


For assembly involving boards arranged top to top, 2 Joists should always be used (1 for each board) with the respective Clips.



3.3





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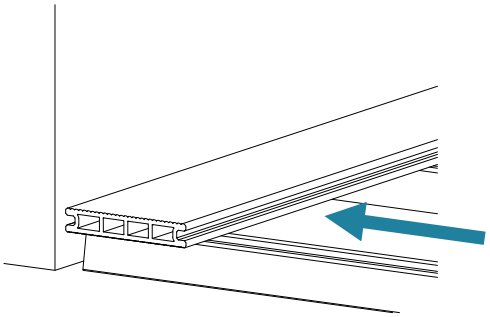

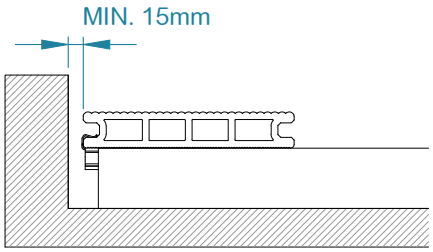

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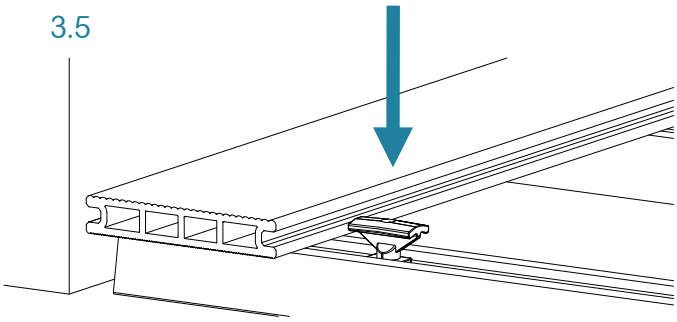
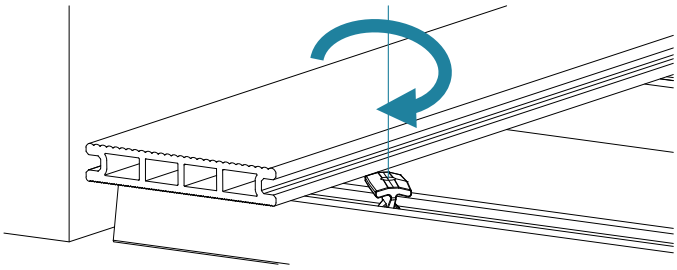
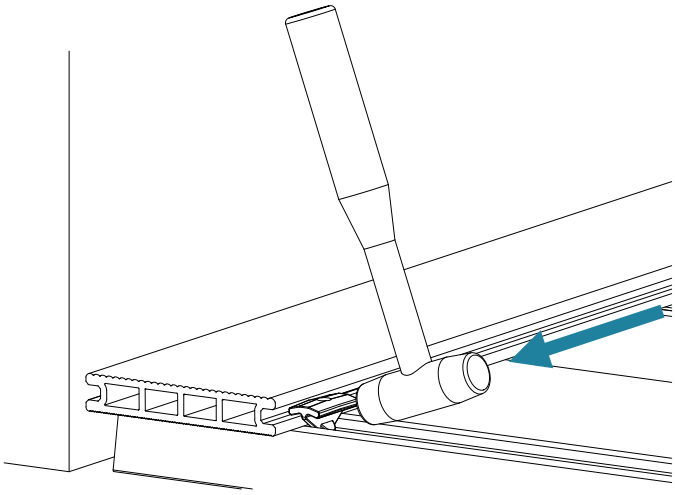
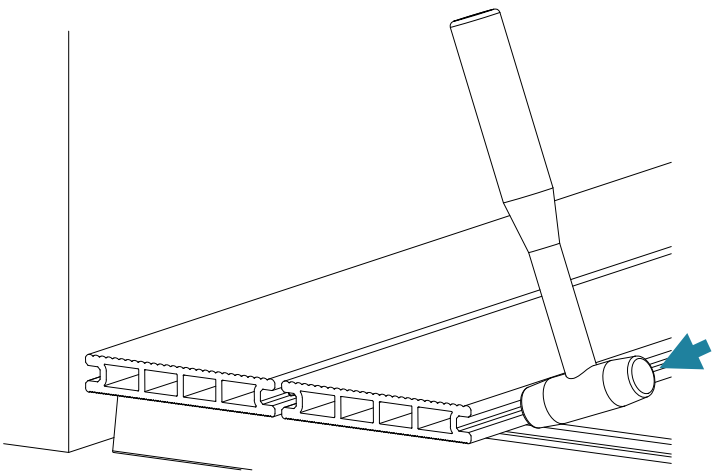
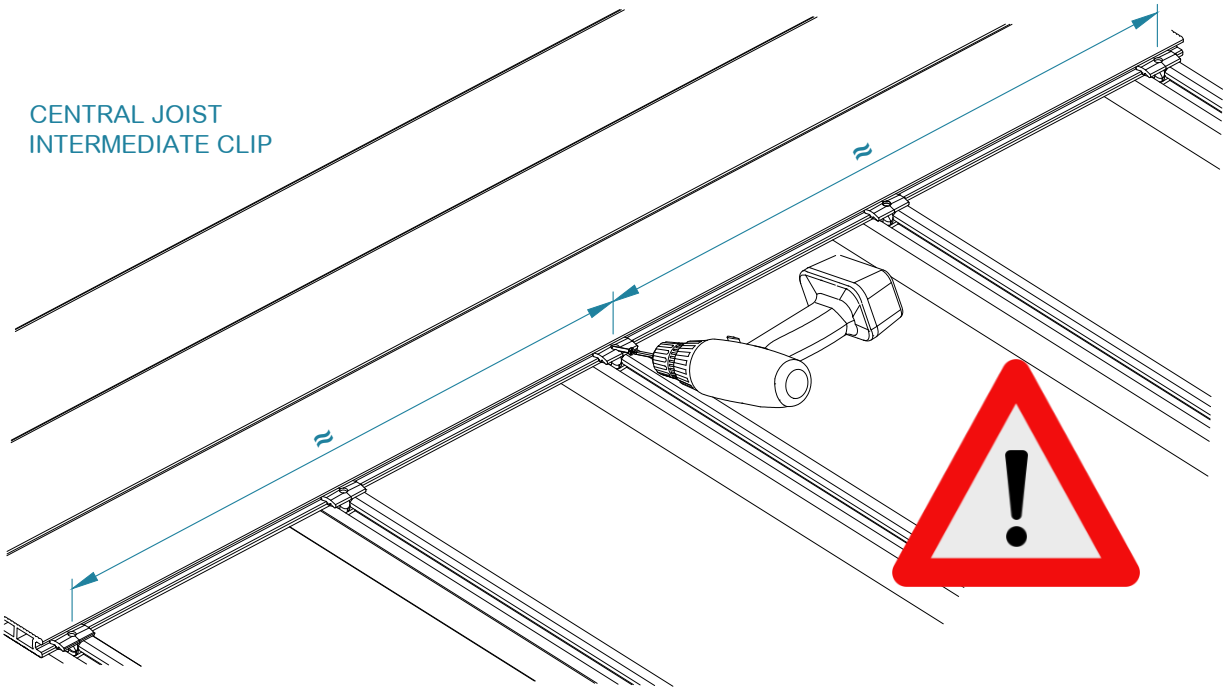


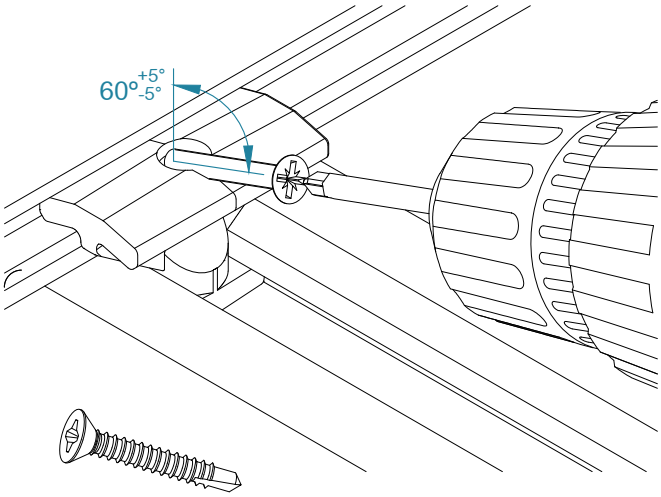


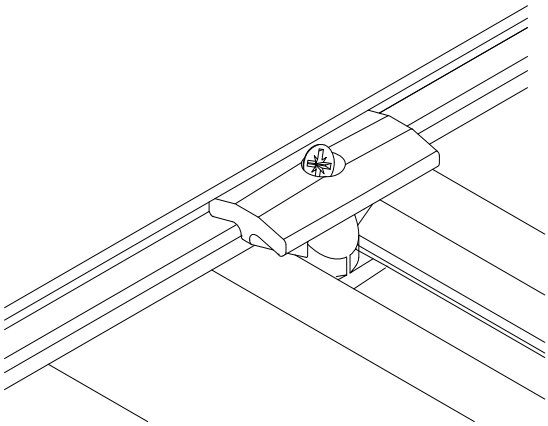


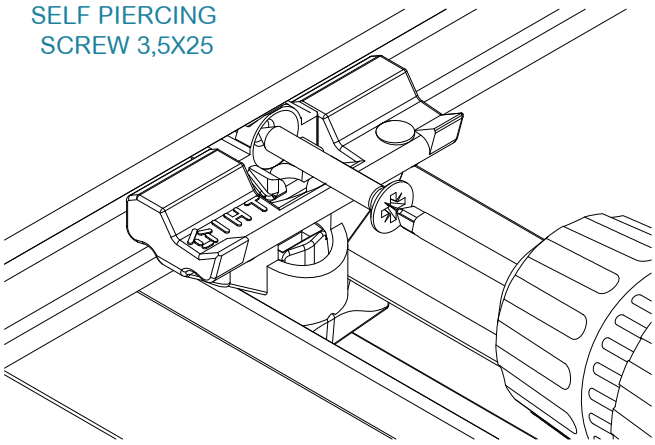


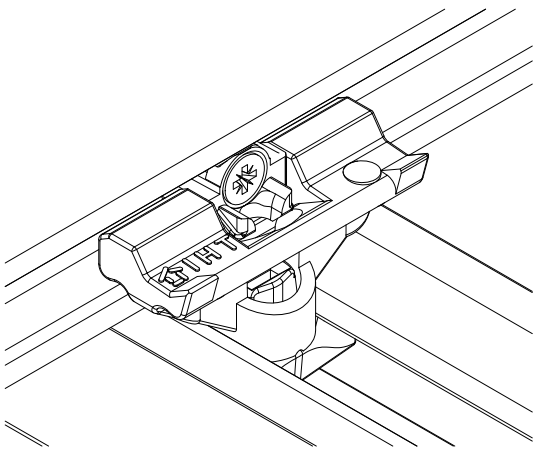
3.6 FASTENING THE BOARD IN THE CENTRAL JOIST (TO AVOID SLIPPAGE)











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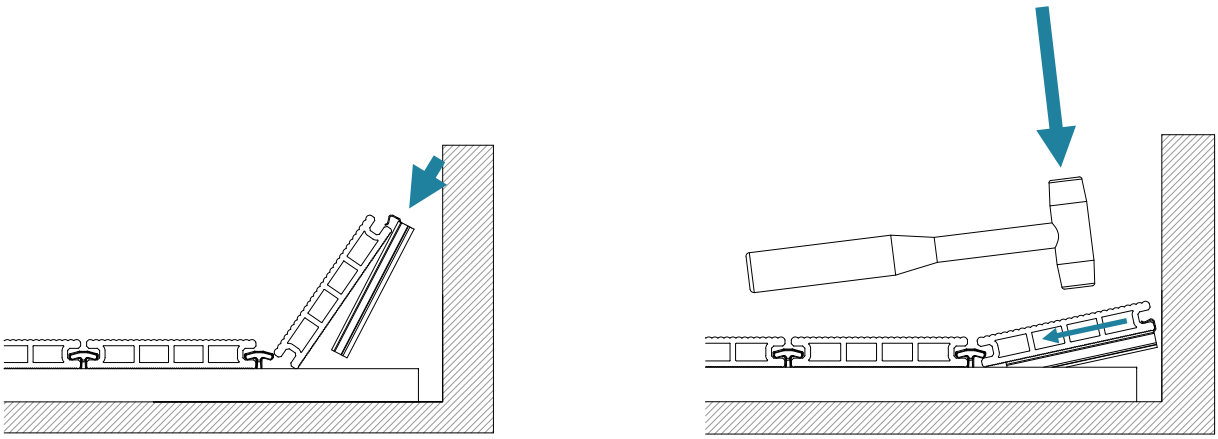
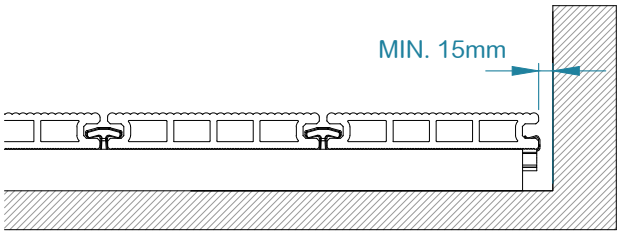
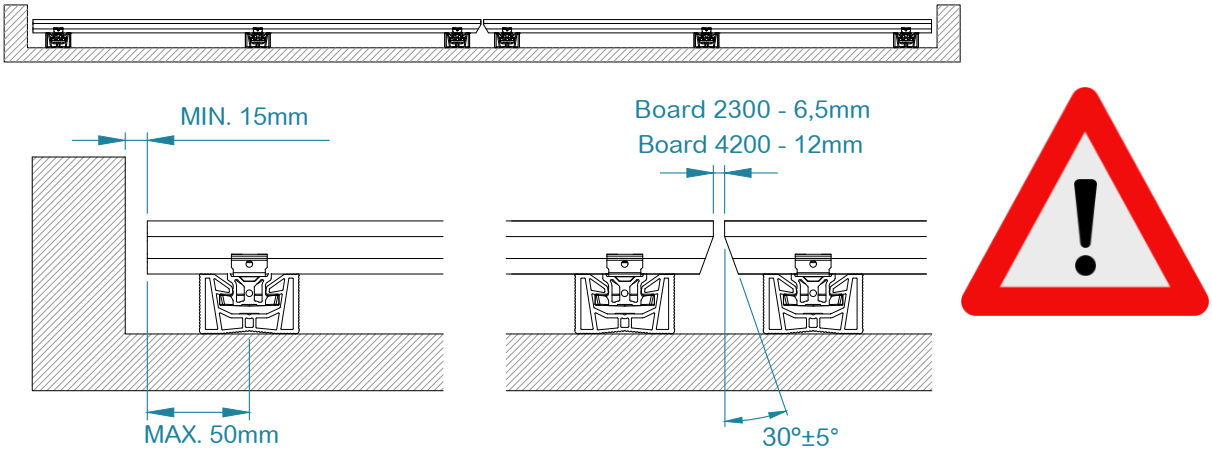


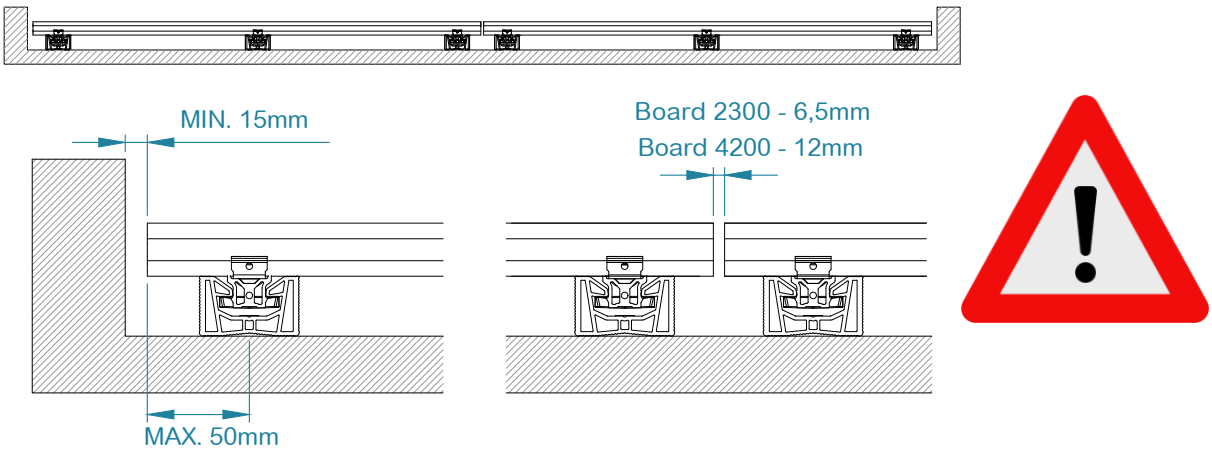
3.8



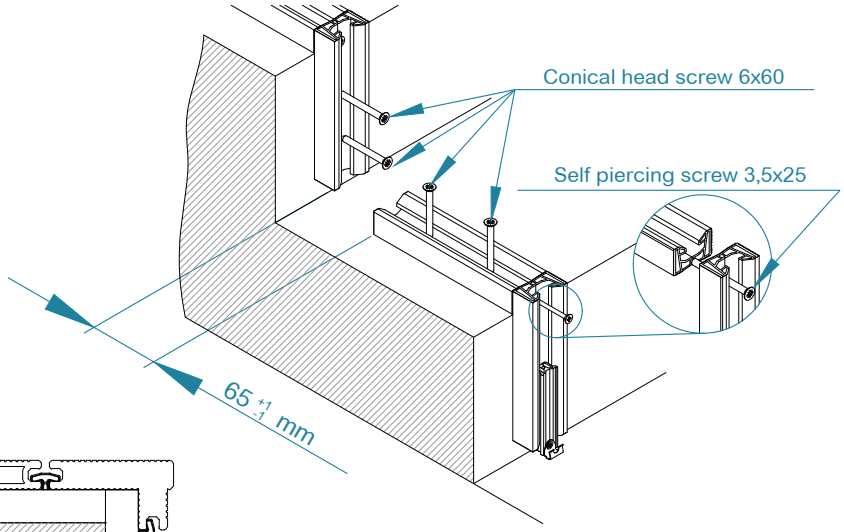
3.9.1 HOLLOW BOARD

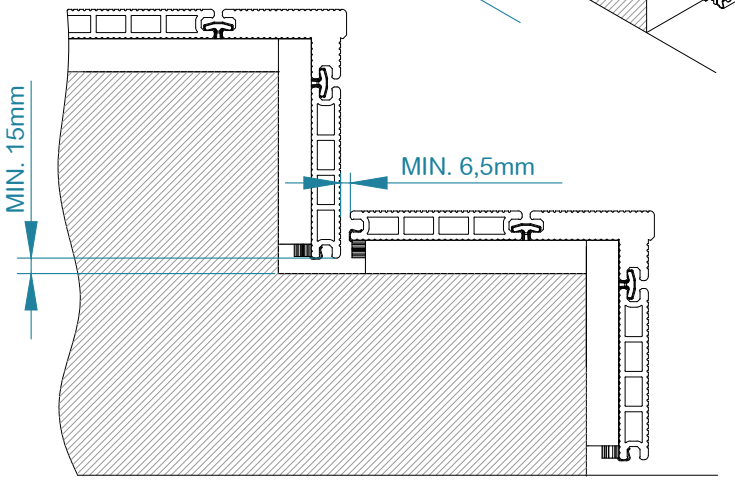


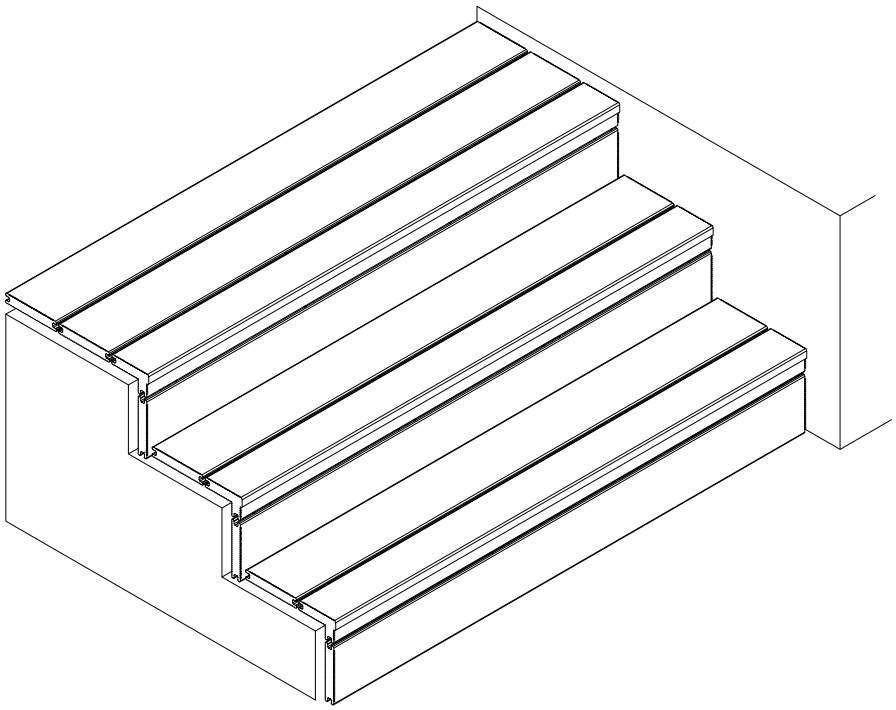
3.9.2 SOLID BOARD



4. CDECK STEP ASSEMBLY

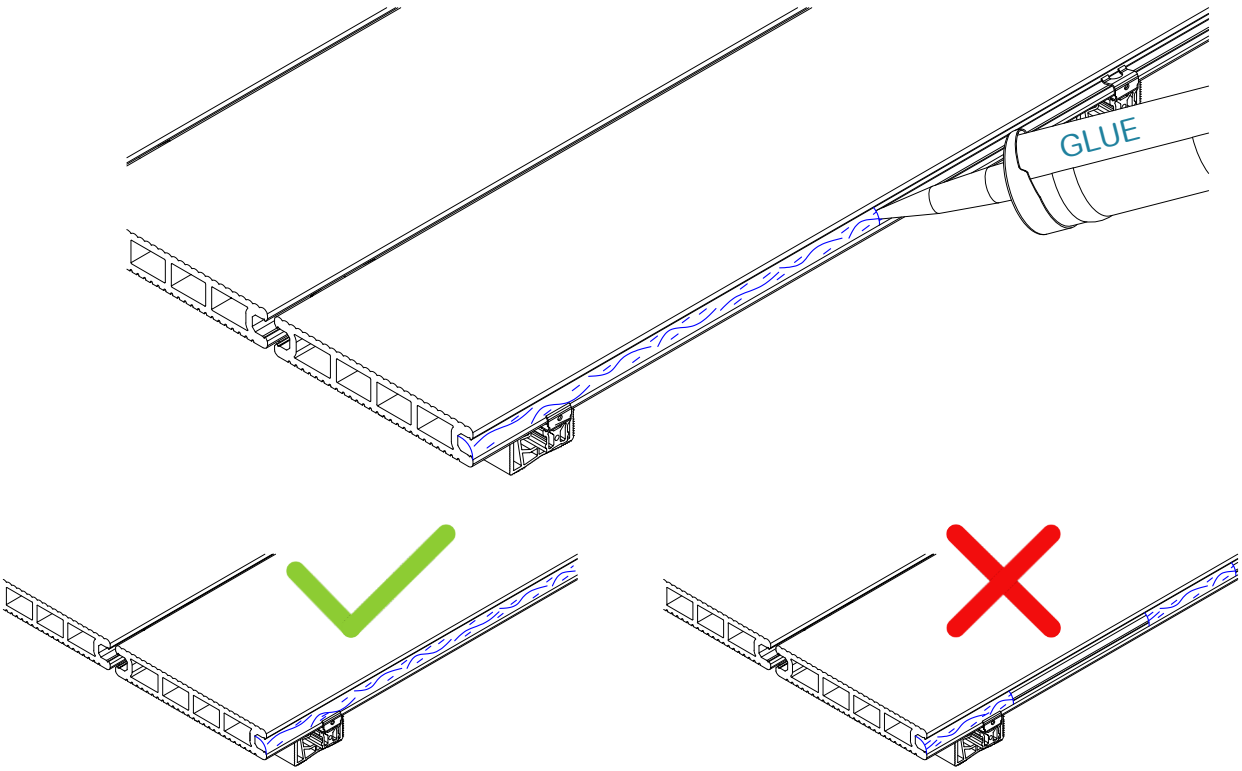


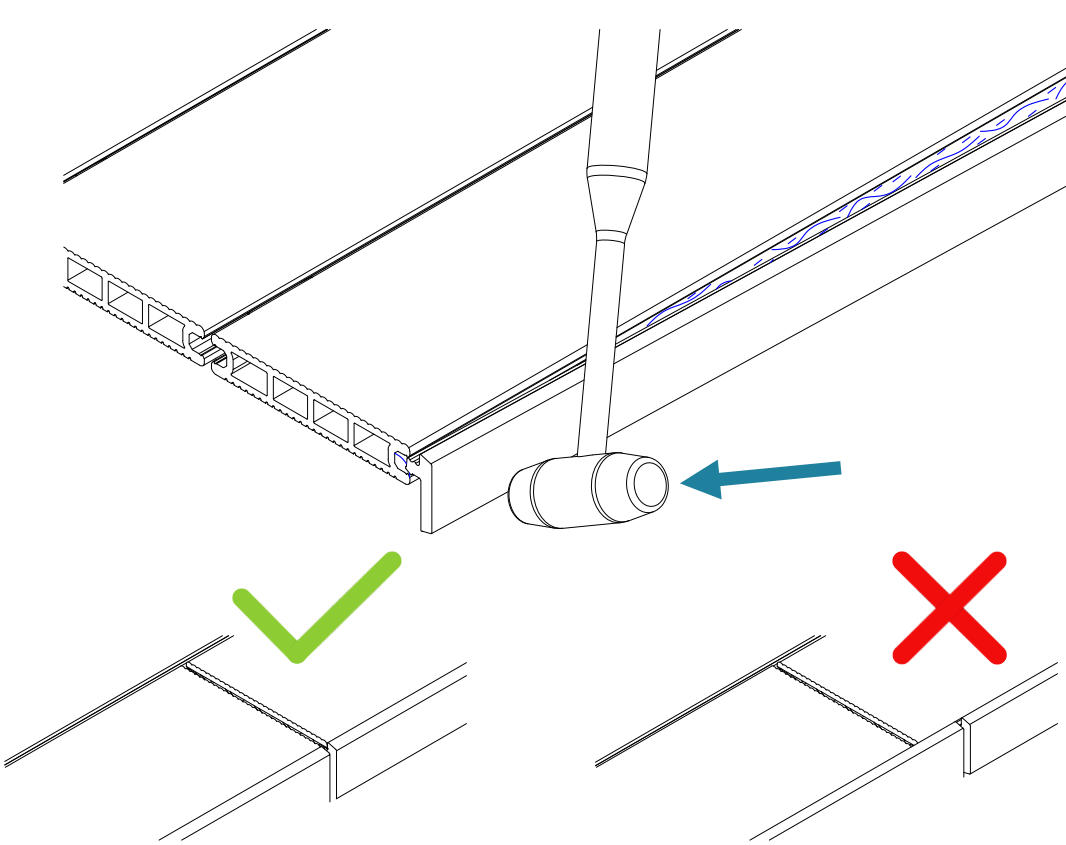




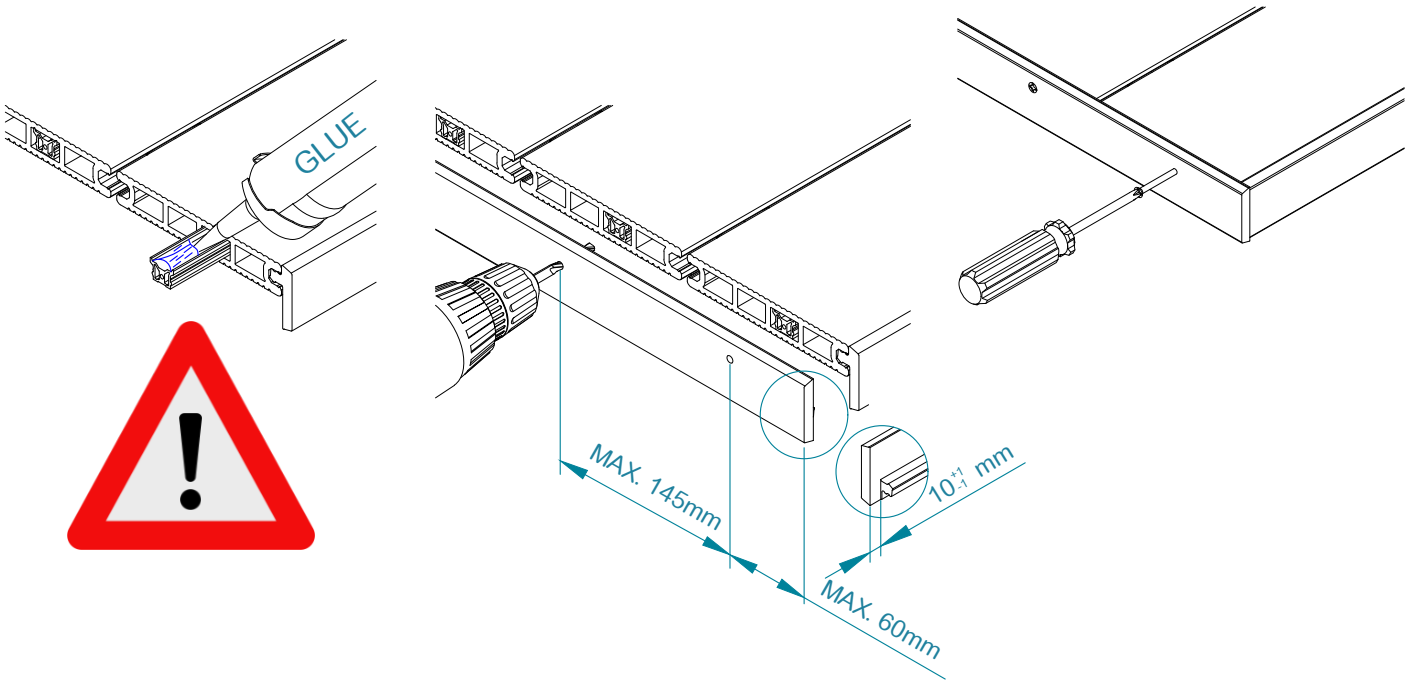
5. FASTENING THE CDECK FASTENER

5.1

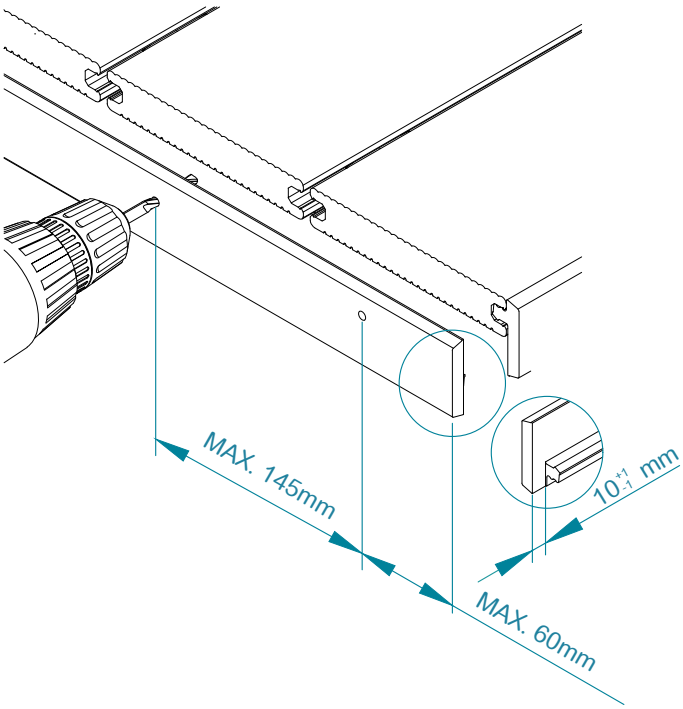


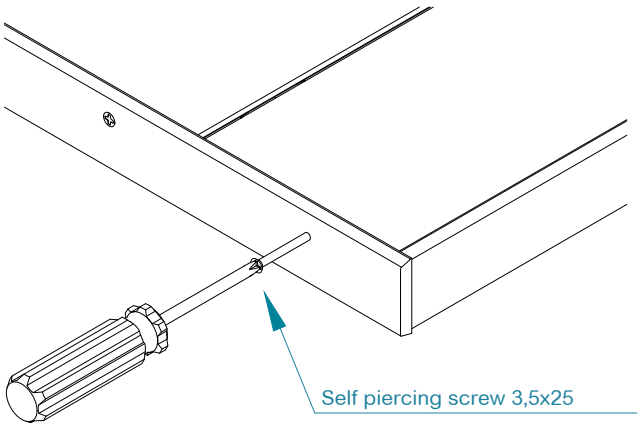


5.2.1 HOLLOW BOARD



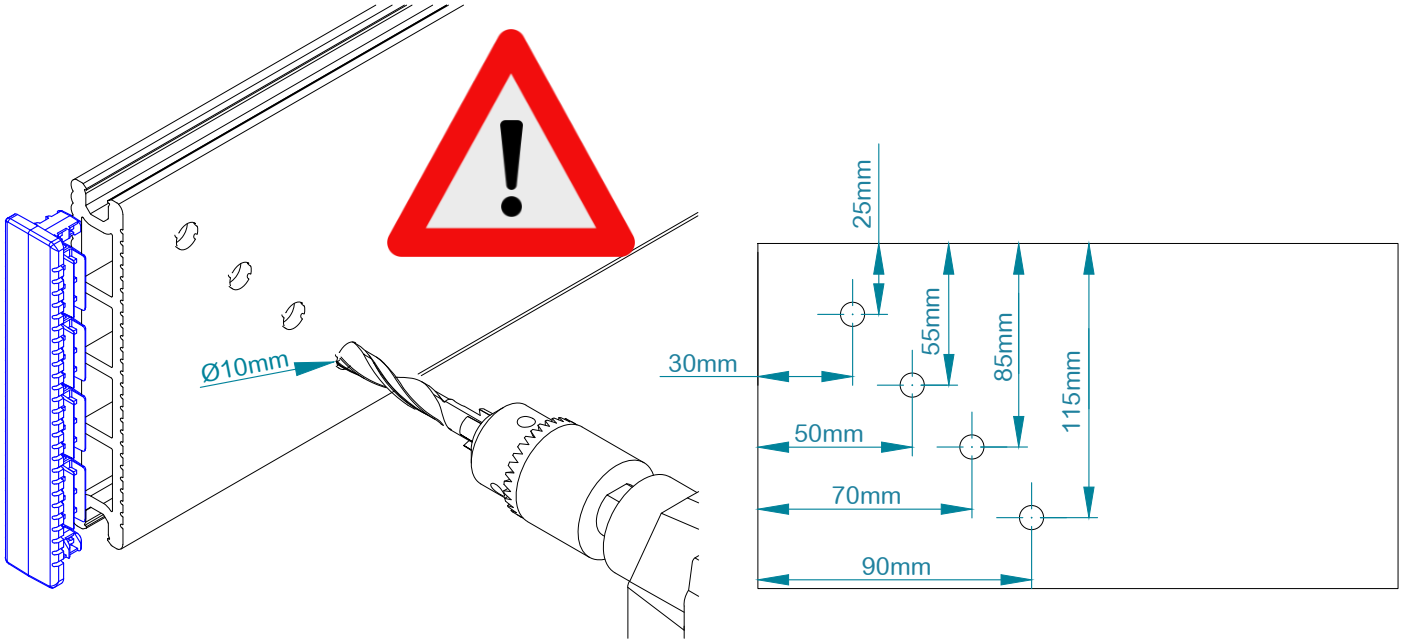
5.2.2 SOLID BOARD



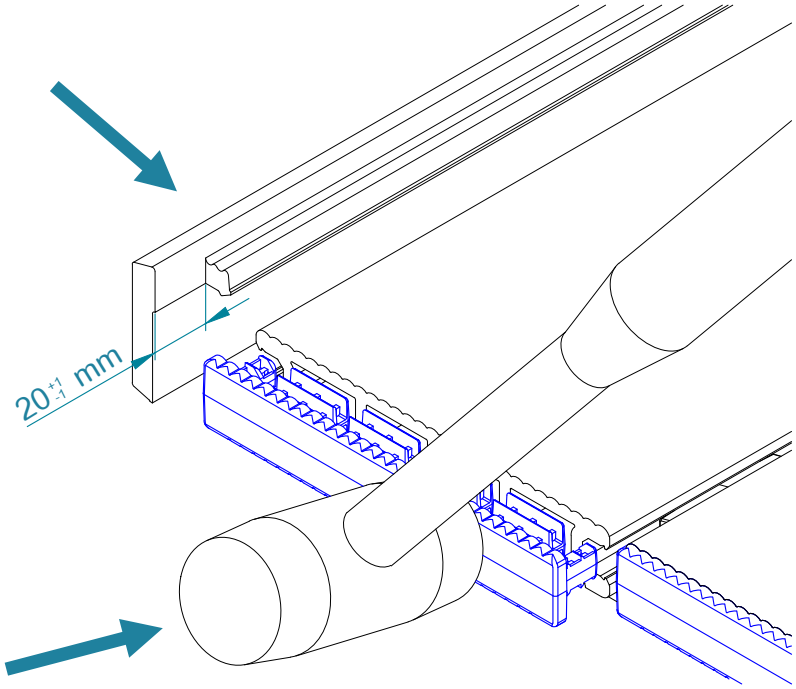


6.HOLLOW BOARD END CAP ASSEMBLY

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

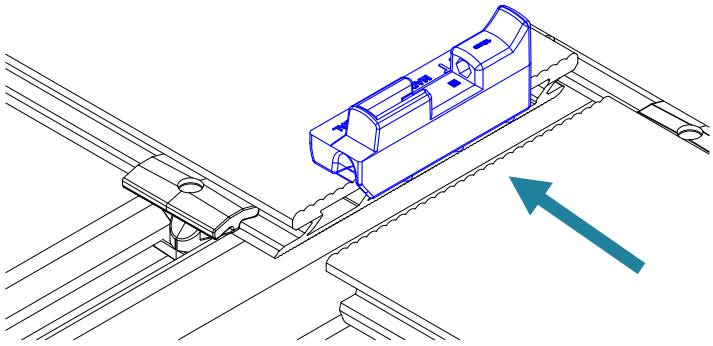


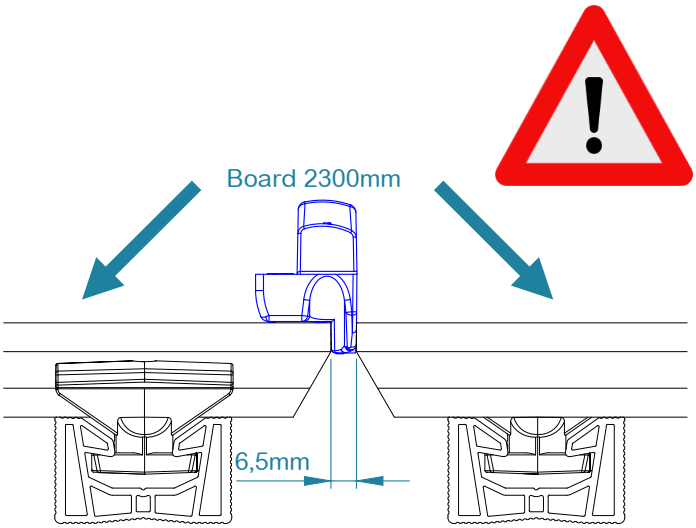
6.2 PLACING THE HOLLOW BOARD END CAP OF THE BOARD



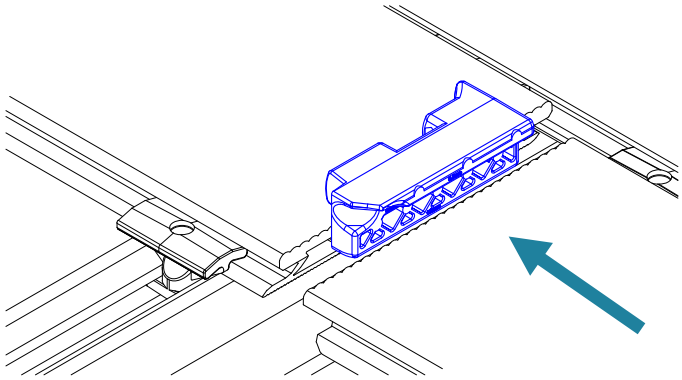
7. USING THE CTOOL TOOL

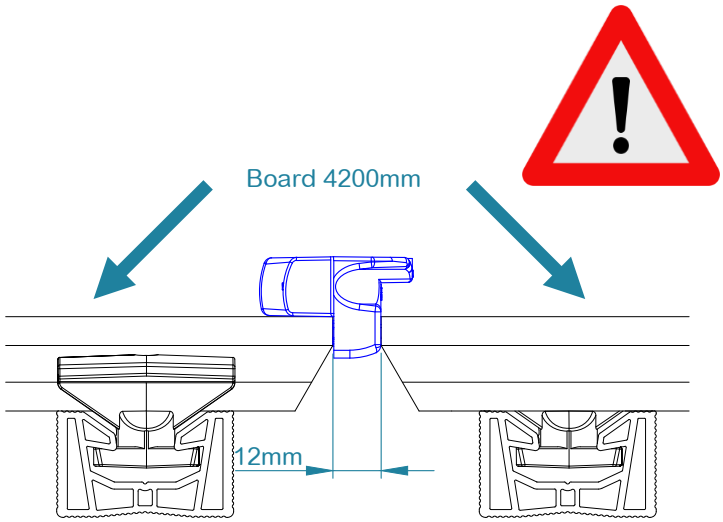
7.1 CLEARENCE OF THE BOARDS 2300



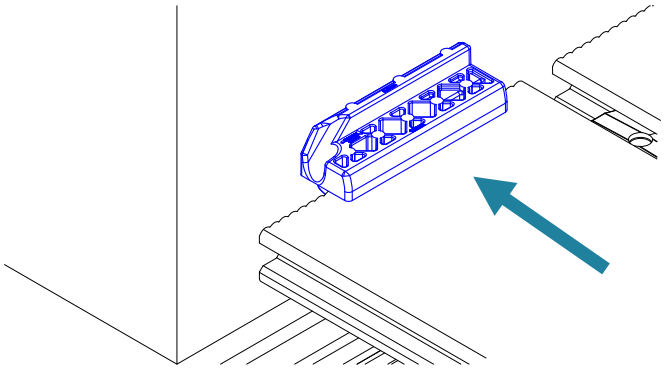


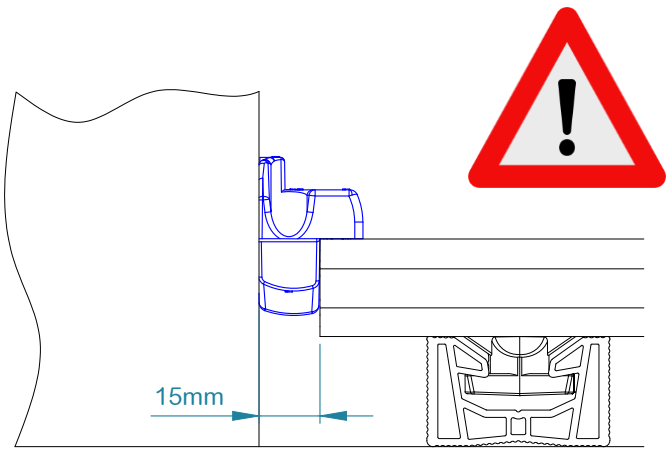
7.2 CLEARENCE OF THE BOARDS 4200



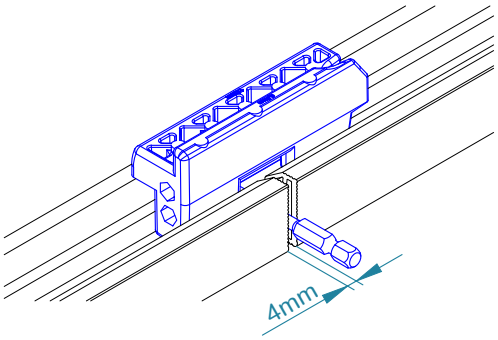


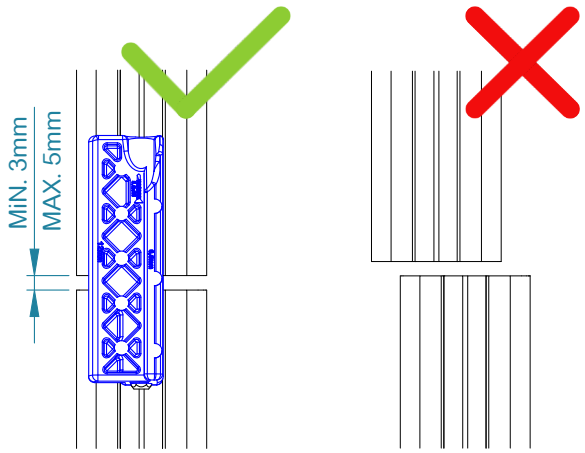
7.3 CLEARENCE FROM THE FIXED ELEMENTS



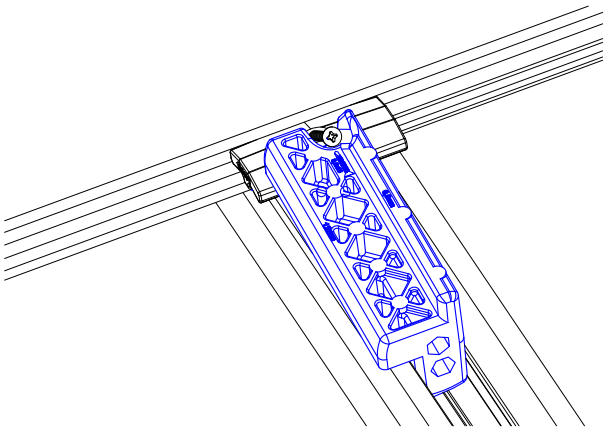


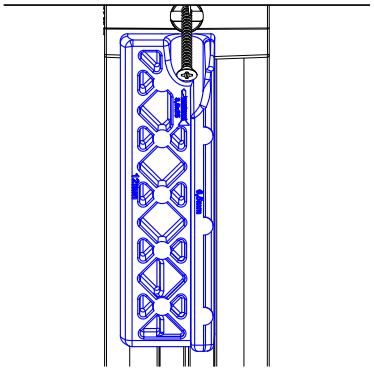
7.4 ALIGNING THE JOISTS



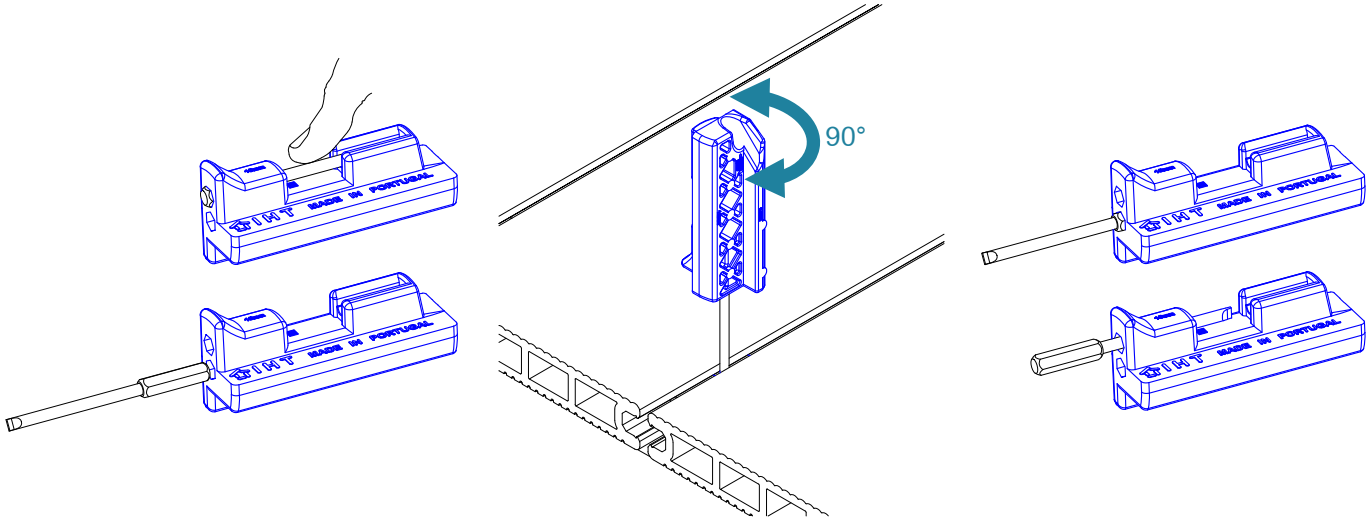


7.5 POSITIONING OF THE BOARD'S CENTRAL CLAMPING SCREW



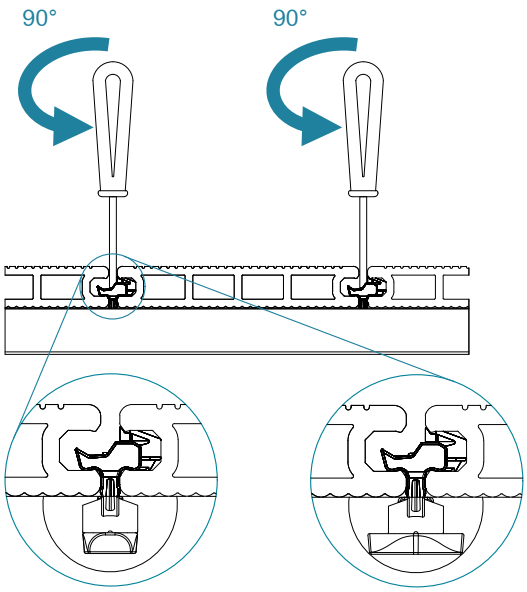


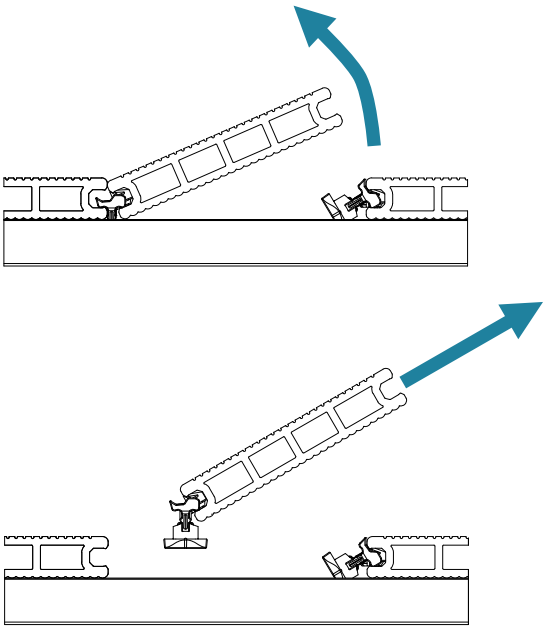
7.6 OPENING AND CLOSING KEY FOR THE QUICK-FIX PRO INTERMEDIATE CLIP



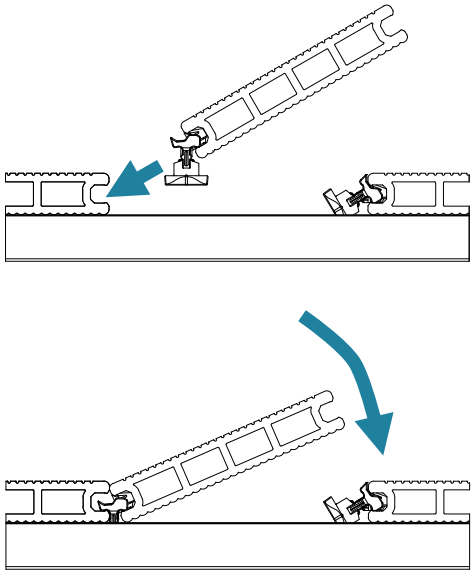
8. UNINSTALLING AND REINSTALLING BOARDS WITH THE QUICK-FIX PRO INTERMEDIATE CLIP

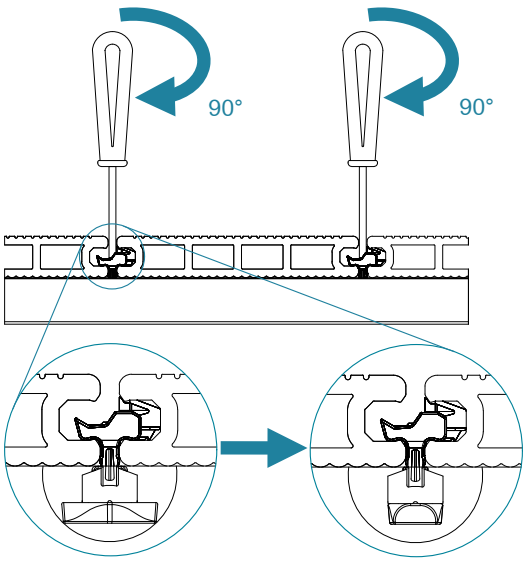
8.1 INDIVIDUAL OPENING OF THE BOARD





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 in the direction of the grooves.

9.2 REGULAR MAINTENANCE

The composite CDECK is easy to maintain. However, it still needs regular cleaning.

As with any covering made of wood, synthetic materials, stone, etc., the CDECK may also show signs of moss, due to a set of external factors, particularly in extremely humid environments, with little exposure to sun and where there is a tendency for large amounts of dust to collect. Given this, it is recommended that the system is regularly cleaned to keep it looking good and to ensure that waste does not remain permanently. For best results, use a pressure machine and the indicated solution (at a distance of 30 cm and a maximum pressure of 150 bar). The jet must be applied along the length of the boards.

After installation, you should avoid moving heavy and/or sharp objects over the boards. If this happens, it is natural for scratches to appear. However, these will tend to disappear as the colour of the scratched areas stabilises.

For more persistent stains, caused by the fall of products onto the boards, act immediately so as to minimise the absorption of these products into the wooden fibres, by washing the boards with a chlorine solution (with a little bleach), and rubbing with a steel wool pad along the length of the boards. If you can not remove stains or stains through this process, you can brush the boards with a wire brush or sandpaper. Although this action will cause a colour difference in the brush area, this difference will disappear as the colour stabilises

9.3 GENERAL ASPECTS

The CDECK is a semi-natural product, so that the variations in colour and texture are likely to appear over time. During the first months after outdoor fitting, the colour will gradually change until it stabilises. The boards will take on a final colour which is lighter and more natural than the original colour, due to the absorption of water by the wooden fibres. Once stabilised, colour and texture remain virtually unchanged.

Under certain conditions, static electricity may be formed. This is a natural phenomenon due to the fact that the CDECK includes thermoplastic. However, it will tend to disappear once the texture stabilises.