

TERRALOCK

CONNECTOR FOR DECKING



INVISIBLE

Completely concealed, guarantees a highly attractive result. Ideal for both decks and façades. Available in metal and plastic.

VENTILATION

The micro-ventilation under the boards prevents water stagnation, ensuring excellent durability. The larger bearing surface ensures that the substructure is not crushed.

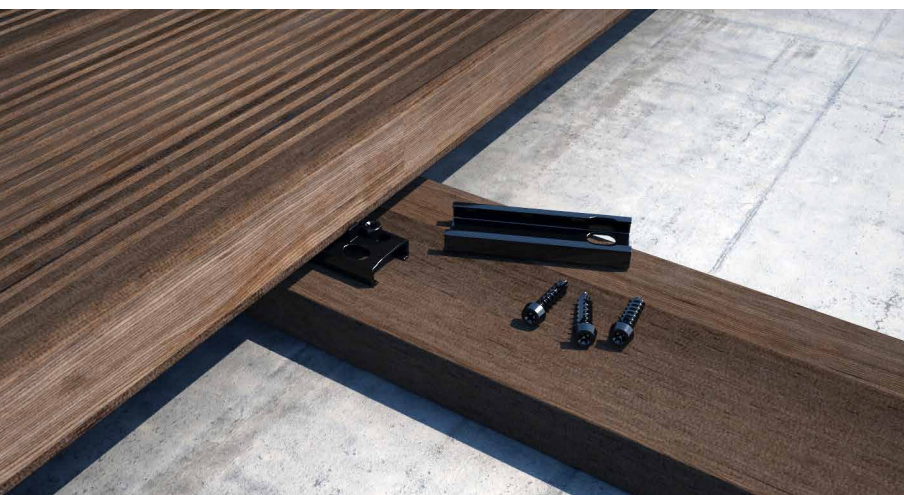
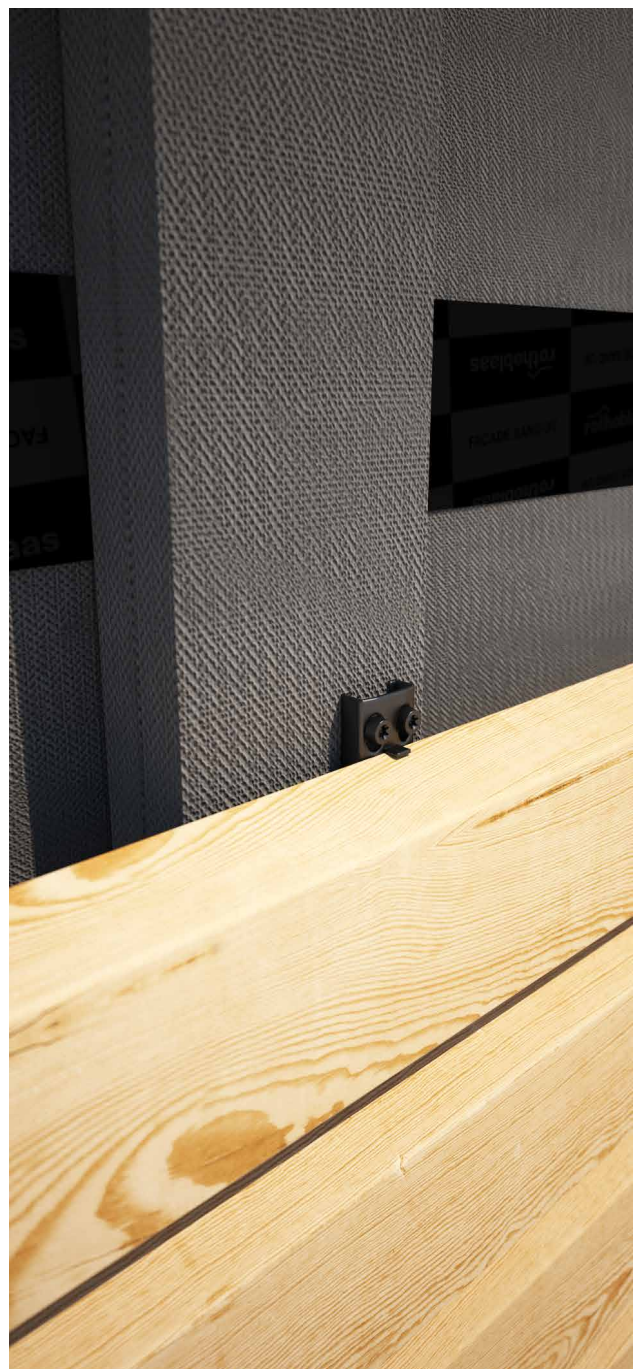
INGENIOUS

Assembly stop for an accurate and simple installation of the fastener. Slotted holes to compensate movements of the wood. Allows replacement of individual boards.



CHARACTERISTICS

FOCUS	extremely versatile joints and grooves
CLADDING	aluminium coating, grey, black
BOARDS	without grooving
JOINTS	from 0.08" to 3/8"
FASTENERS	KKTX520A4, KKAN430, KKF4520



MATERIAL

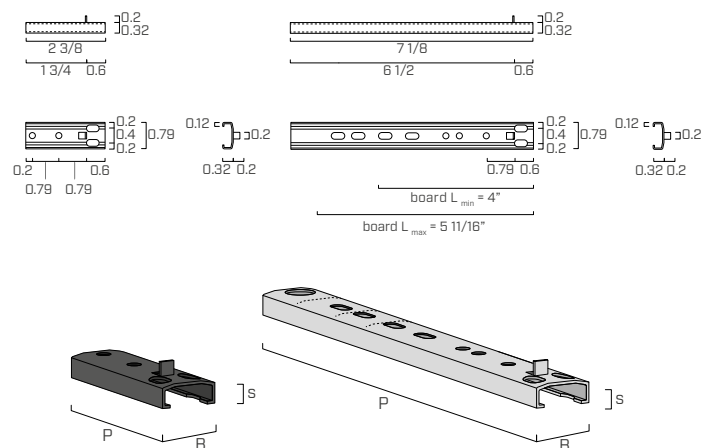
Carbon steel, with coloured anti-rust coating, or brown polypropylene.

FIELDS OF USE

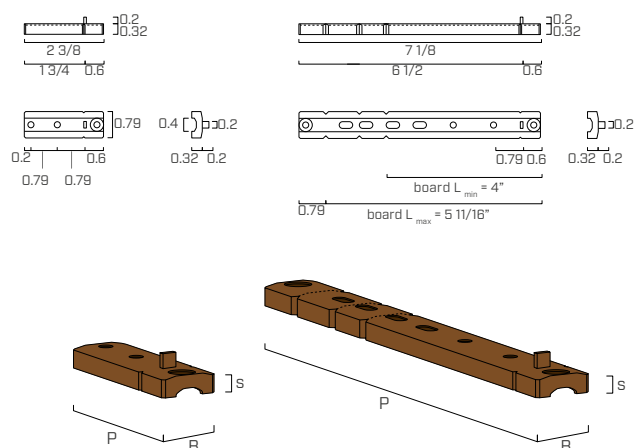
Outdoor use. Fastening timber or WPC boards on substructures in wood, WPC or aluminium. Suitable for service classes 1-2-3 (EU) - dry or wet service conditions (USA).

GEOMETRY

TERRALOCK



TERRALOCK PP



CODES AND DIMENSIONS

TERRALOCK

CODE	material	P x B x s [in]	pcs
TER60ALU	zinc-plated steel	2 3/8 x 0.79 x 0.32	100
TER180ALU	zinc-plated steel	7 1/8 x 0.79 x 0.32	50
TER60ALUN	zinc-plated steel, black	2 3/8 x 0.79 x 0.32	100
TER180ALUN	zinc-plated steel, black	7 1/8 x 0.79 x 0.32	50

KKT A4 | AISI316 / KKT COLOR

fastening on wood and WPC for TERRALOCK

d ₁ [mm] [in]	CODE	L [mm] [in]	pcs
5 0.2 TX 20	KKTX520A4	20 0.79	200
	KKTX525A4	25 1	200
	KKTX530A4	30 1 3/16	200
	KKTX540A4	40 1 5/8	200
	KKTN540 (black)	40 1 5/8	200

KKA COLOR

fastening on aluminium for TERRALOCK

d ₁ [mm] [in]	CODE	L [mm] [in]	pcs
4 0.16 TX 20	KKAN430	30 1 3/16	200

TERRALOCK PP

CODE	material	P x B x s [in]	pcs
TER60PPM	brown nylon	2 3/8 x 0.79 x 0.32	100
TER180PPM	brown nylon	7 1/8 x 0.79 x 0.32	50

Upon request also available in A2 | AISI304 stainless steel for quantities over 20,000 pcs (code **TER60A2** e **TER180A2**).

KKF AISI410

fastening on wood and WPC for TERRALOCK PP

d ₁ [mm] [in]	CODE	L [mm] [in]	pcs
4.5 0.18 TX 20	KKF4520	20 0.79	200
	KKF4540	40 1 5/8	200

SBN A2 | AISI304

fastening on aluminium for TERRALOCK PP

d ₁ [mm] [in]	CODE	L [mm] [in]	pcs
3.5 0.14 TX 15	SBN3525	25 1	1000



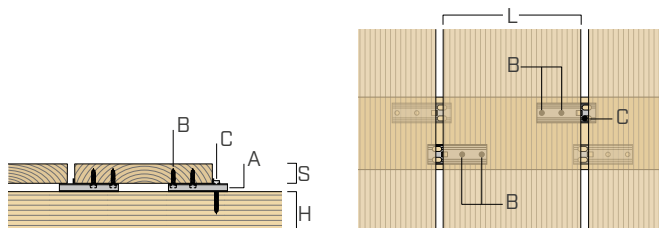
TERRALOCK PP

Version in plastic, ideal for creating patios near coastal and marine environments. Long-term durability in time guaranteed by microventilation under the boards. Totally concealed fastening.

CONNECTOR SELECTION

TERRALOCK 60

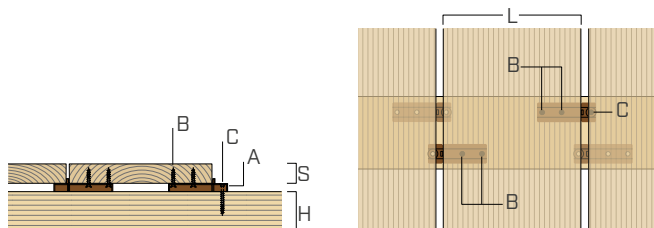
- A. TERRALOCK fastener 60: 2 pcs
- B. top screws: 4 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKTX 0.2 x 0.79	S > 7/8"	KKT 0.2 x 1 5/8	H > 1 5/8"
KKTX 0.2 x 1	S > 1 1/32"	KKT 0.2 x 2	H > 2"
KKTX 0.2 x 1 3/16	S > 1 1/4"	KKT 0.2 x 2 3/8	H > 2 3/8"

TERRALOCK PP 60

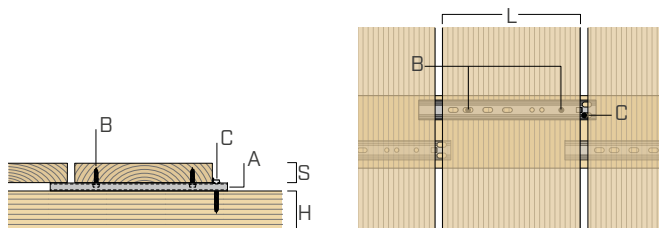
- A. fastener TERRALOCK PP 60: 2 pcs
- B. top screws: 4 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKF 0.18 x 0.79	S > 3/4"	KKF 0.18 x 1 5/8	H > 1 1/2"

TERRALOCK 180

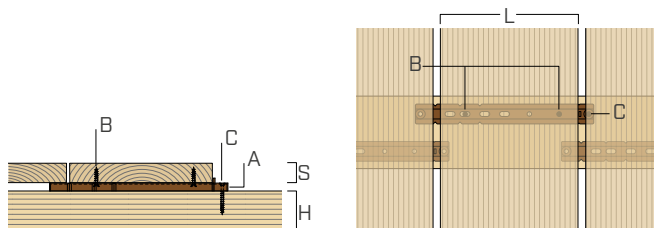
- A. TERRALOCK fastener 180: 1 pc
- B. top screws: 2 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKTX 0.2 x 0.79	S > 13/16"	KKT 0.2 x 1 5/8	H > 1 5/8"
KKTX 0.2 x 1	S > 1"	KKT 0.2 x 2	H > 2"
KKTX 0.2 x 1 3/16	S > 1 1/4"	KKT 0.2 x 2 3/8	H > 2 3/8"

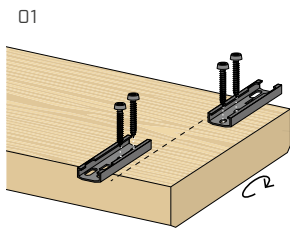
TERRALOCK PP 180

- A. fastener TERRALOCK PP 180: 1 pc
- B. top screws: 2 pcs
- C. bottom screws: 1 pc

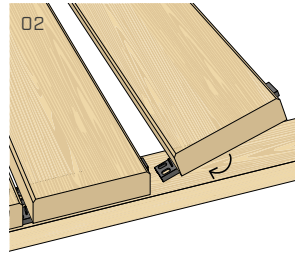


top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKF 0.18 x 0.79	S > 3/4"	KKF 0.18 x 1 5/8	H > 1 1/2"

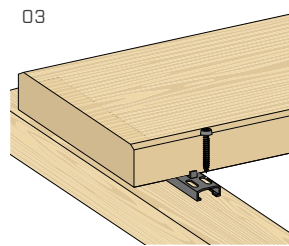
TERRALOCK 60 INSTALLATION



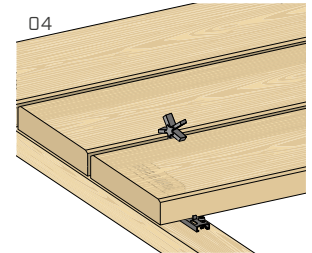
Position two TERRALOCK 60 for each connection.



Turn the board over and slide it under the previously fastened board.

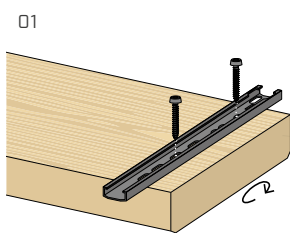


Fasten each connector to the joist by inserting a KKTX screw in one of the two slotted holes.

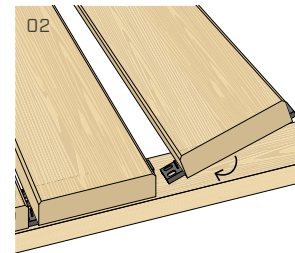


It is recommended to use STAR spacers inserted between the boards for consistent gaps.

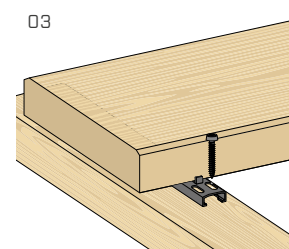
TERRALOCK 180 INSTALLATION



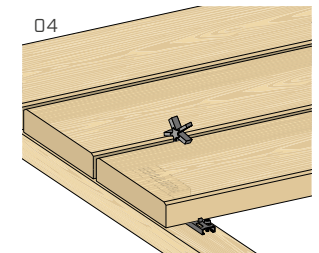
For each board arrange one connector and fix it with two KKTX screws.



Turn the board over and slide it under the previously fastened board.

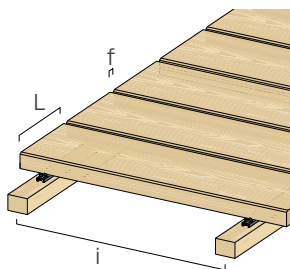


Fasten each connector to the joist by inserting a KKTX screw in one of the two slotted holes.



It is recommended to use STAR spacers inserted between the boards for consistent gaps.

CALCULATION EXAMPLE



i = joist spacing | L = board width | f = joint width

TERRALOCK 60

$i = 2 \text{ ft}$ | $L = 5 \frac{1}{2}'' = 0.46 \text{ ft}$ | $f = 5/16'' = 0.026 \text{ ft}$

$1 \text{ ft}^2 / i / (L + f) \times 2 = \text{pcs per ft}^2$

$1 \text{ ft}^2 / 2 \text{ ft} / (0.46 \text{ ft} + 0.026 \text{ ft}) \times 2 = 2 \text{ pcs/ft}^2$

+ 4 pcs top screws type B / ft^2

+ 1 pcs bottom screw type C / ft^2

TERRALOCK 180

$i = 2 \text{ ft}$ | $L = 5 \frac{1}{2}'' = 0.46 \text{ ft}$ | $f = 5/16'' = 0.026 \text{ ft}$

$1 \text{ ft}^2 / i / (L + f) = \text{pcs per ft}^2$

$1 \text{ ft}^2 / 2 \text{ ft} / (0.46 \text{ ft} + 0.026 \text{ ft}) = 1 \text{ pcs/ft}^2$

+ 2 pcs top screws type B / ft^2

+ 1 pcs bottom screw type C / ft^2

DECKS WITH COMPLEX GEOMETRIES

Thanks to its special geometric configuration, the TERRALOCK connector allows to create decks with complex geometric layouts that will meet any aesthetic requirement. The two slotted holes and optimal positioning of the end stop allow for assembly on inclined joists.

