

TERRALOCK

CONNECTOR FOR DECKING



INVISIBLE

Completely concealed, guarantees a highly attractive result. Ideal for both terraces 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 follow 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 2,0 mm to 10,0 mm
FASTENERS	KKTX520A4, KKAN430, KKF4520



MATERIAL

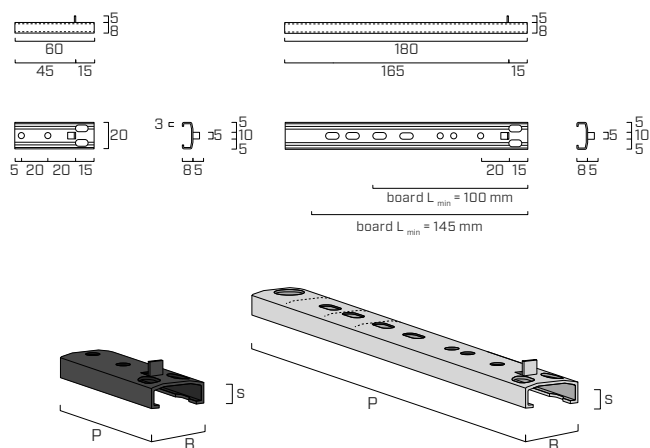
Carbon steel, with coloured anti-rust coating, and brown polypropylene.

FIELDS OF USE

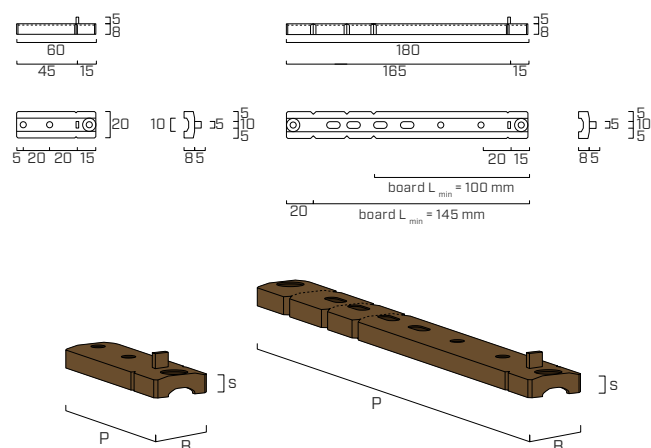
Outdoor use. Fastening timber or WPC boards on substructures in wood, WPC or aluminium. Suitable for service classes 1-2-3.

GEOMETRY

TERRALOCK



TERRALOCK PP

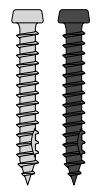


CODES AND DIMENSIONS

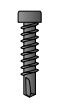
TERRALOCK

CODE	material	P x B x s [mm]	pcs
TER60ALU	zinc-plated steel	60 x 20 x 8	100
TER180ALU	zinc-plated steel	180 x 20 x 8	50
TER60ALUN	zinc-plated steel, black	60 x 20 x 8	100
TER180ALUN	zinc-plated steel, black	180 x 20 x 8	50

KKT A4 | AISI316 / KKT COLOR
fastening on wood and WPC for TERRALOCK

	d ₁ [mm]	CODE	L [mm]	pcs
5 TX 20		KKTX520A4	20	200
		KKTX525A4	25	200
		KKTX530A4	30	200
		KKTX540A4	40	200
		KKTN540	40	200

KKA COLOR
fastening on aluminium for TERRALOCK

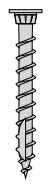
	d ₁ [mm]	CODE	L [mm]	pcs
4 TX 20		KKAN430	30	200

TERRALOCK PP

CODE	material	P x B x s [mm]	pcs
TER60PPM	brown nylon	60 x 20 x 8	100
TER180PPM	brown nylon	180 x 20 x 8	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]	CODE	L [mm]	pcs
4,5 TX 20		KKF4520	20	200
		KKF4540	40	200

SBN A2 | AISI304
fastening on aluminium for TERRALOCK PP

	d ₁ [mm]	CODE	L [mm]	pcs
3,5 TX 15		SBN3525	25	1000



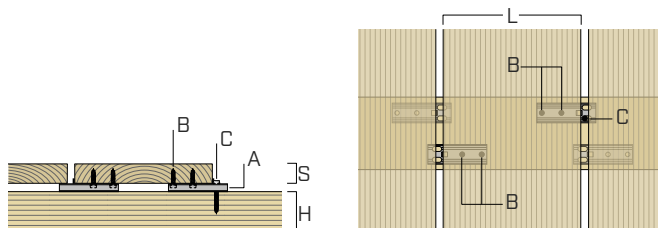
TERRALOCK PP

Version in plastic, ideal for creating patios near aquatic environments. Durability in time guaranteed by microventilation under the boards. Totally concealed fastening.

CONNECTOR SELECTION

TERRALOCK 60

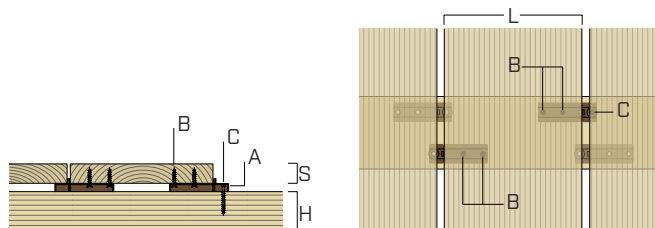
- A. TERRALOCK fastener 60: 2 pcs
- B. top screws: 4 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKTX 5 x 20	S > 21 mm	KKT 5 x 40	H > 40 mm
KKTX 5 x 25	S > 26 mm	KKT 5 x 50	H > 50 mm
KKTX 5 x 30	S > 31 mm	KKT 5 x 60	H > 60 mm

TERRALOCK PP 60

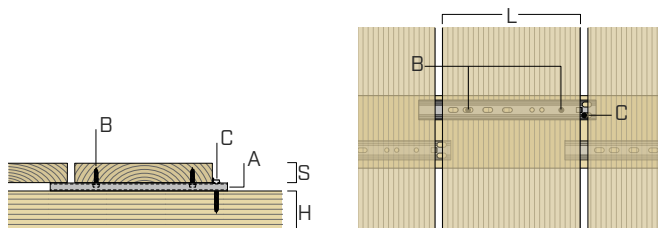
- A. fastener TERRALOCK PP 60: 2 pcs
- B. top screws: 4 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKF 4,5 x 20	S > 19 mm	KKF 4,5 x 40	H > 38 mm

TERRALOCK 180

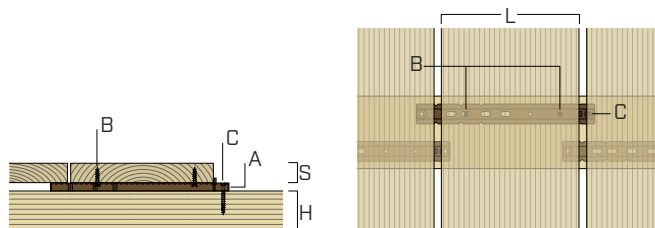
- A. TERRALOCK fastener 180: 1 pc
- B. top screws: 2 pcs
- C. bottom screws: 1 pc



top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKTX 5 x 20	S > 21 mm	KKT 5 x 40	H > 40 mm
KKTX 5 x 25	S > 26 mm	KKT 5 x 50	H > 50 mm
KKTX 5 x 30	S > 31 mm	KKT 5 x 60	H > 60 mm

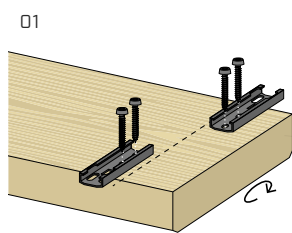
TERRALOCK PP 180

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

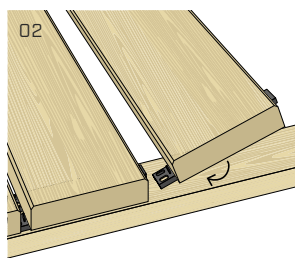


top screw type	minimum board thickness	bottom screw type	minimum joist height
B		C	
KKF 4,5 x 20	S > 19 mm	KKF 4,5 x 40	H > 38 mm

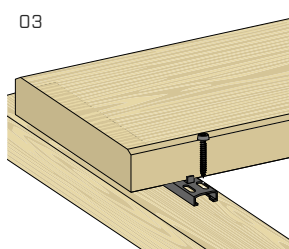
TERRALOCK 60 INSTALLATION



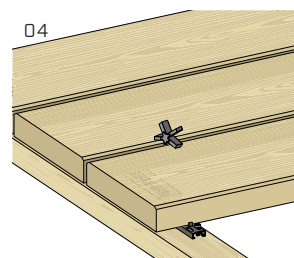
Position two TERRALOCK 60 fasteners per each fixing node.



Turn the board over and slide it under the previously fastened board fixed to the sub-structure.

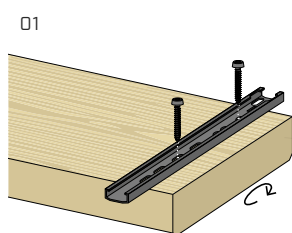


Fix each fastener to the sub-structure by inserting a KKTX screw in one of the two slotted holes.

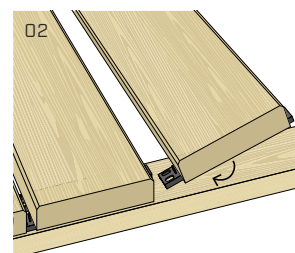


It is recommended to use STAR spacers inserted between the boards.

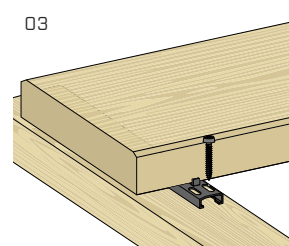
TERRALOCK 180 INSTALLATION



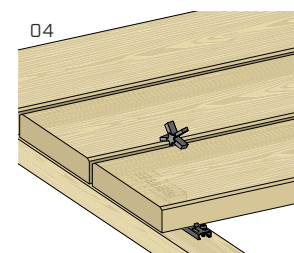
For each board arrange one fastener and fix it by means of two KKTX screws.



Turn the board over and slide it under the previously fastened board fixed to the sub-structure.

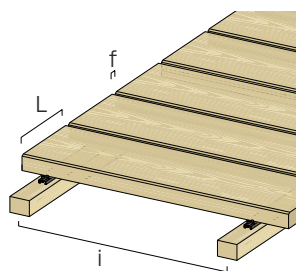


Fix each fastener to the sub-structure by inserting a KKTX screw in one of the two slotted holes.



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

CALCULATION EXAMPLE



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

TERRALOCK 60

$i = 0,60 \text{ m}$ | $L = 140 \text{ mm}$ | $f = 7 \text{ mm}$

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

$1\text{m}^2 / 0,6 \text{ m} / (0,14 \text{ m} + 0,007 \text{ m}) \times 2 = \mathbf{23 \text{ pcs / m}^2}$

+ 46 pcs top screws type B / m^2

+ 12 pcs bottom screws type C / m^2

TERRALOCK 180

$i = 0,60 \text{ m}$ | $L = 140 \text{ mm}$ | $f = 7 \text{ mm}$

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

$1\text{m}^2 / 0,6 \text{ m} / (0,14 \text{ m} + 0,007 \text{ m}) \times 2 = \mathbf{12 \text{ pcs / m}^2}$

+ 24 pcs top screws type B / m^2

+ 12 pcs bottom screws type C / m^2

DECKS WITH COMPLEX GEOMETRIES

Thanks to its special geometric configuration, the Terralock fastener 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 substructures.

