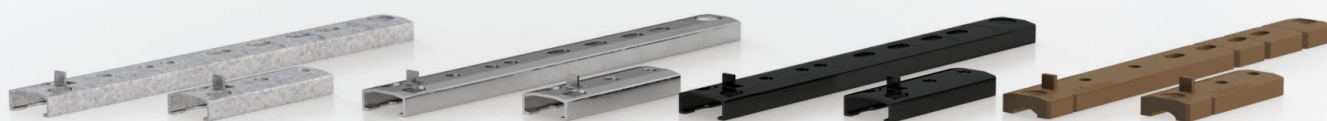


TERRALOCK

Hidden fastener for wood decks

Perforated profile made either of plastic, metal or A2 stainless steel



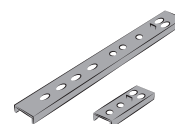
FIELD OF USE

Fixing of deck cladding to
timber or metal sub-structures

For outdoor use
(Service class 1-2-3)

TWO DIMENSIONS

Suitable for board widths from 65 to 200 mm
and from 100 and 145 mm.
Metal or plastic versions



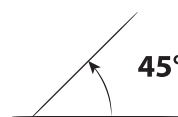
STABLE

The high mechanical strength of the fastener
ensures excellent board stability



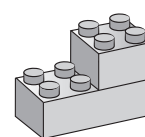
ARTICULATED GEOMETRY

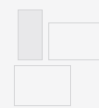
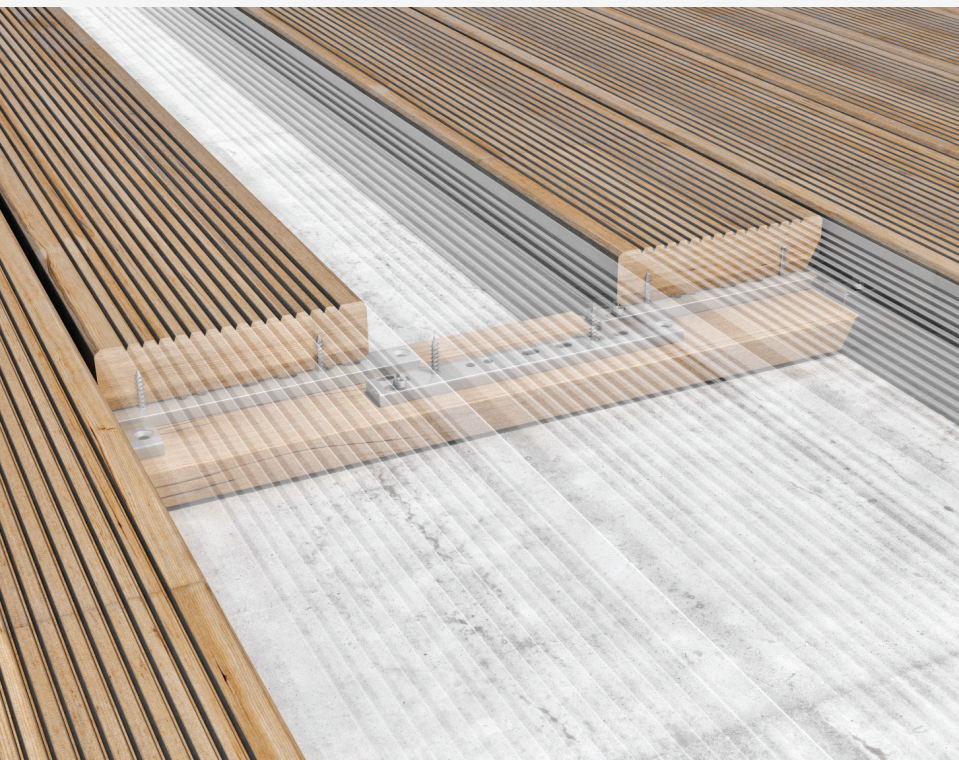
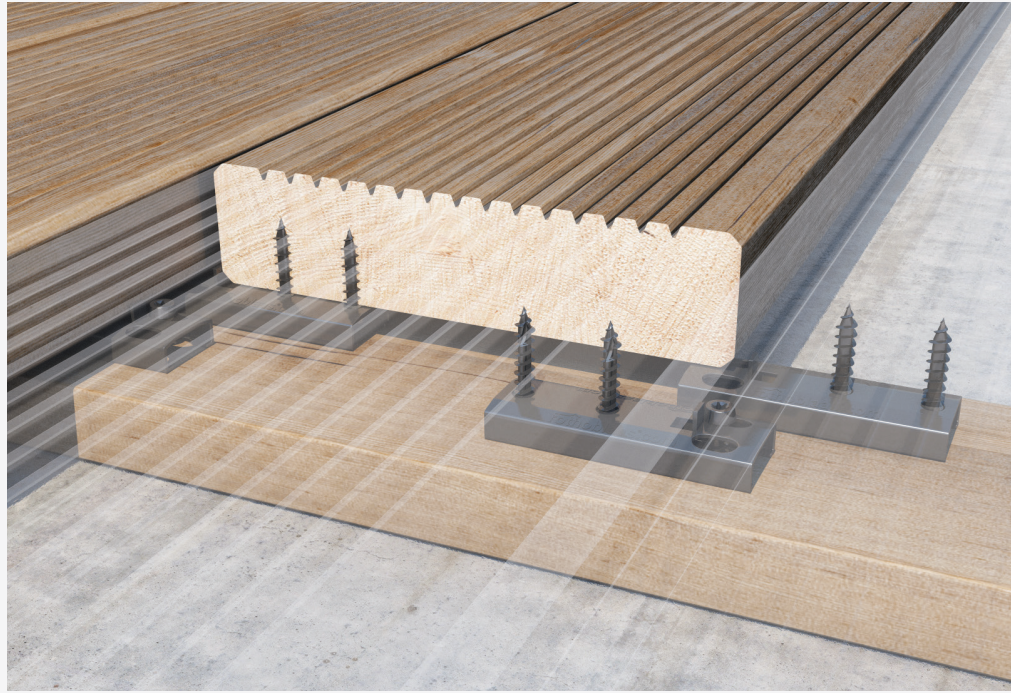
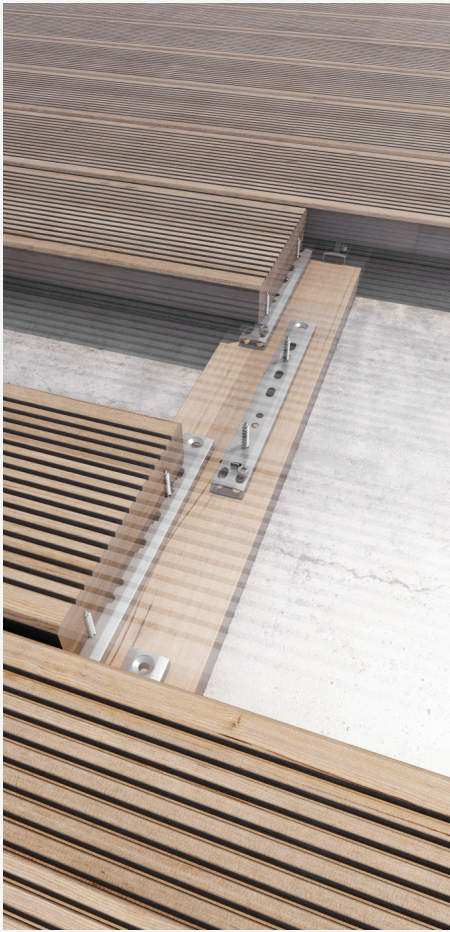
Possibility of assembling on sub-structures
with inclinations up to 45°



INGENIOUS

Slotted holes, for the natural swelling and shrinkage
of wood. The steel version allows to replace
single boards





AESTHETICS

Hidden fastener for pleasing aesthetics. The peculiar configuration allows to realize even decks with very complex shape. The black version reduces the visual impact



DURABILITY

The micro-ventilation under the boards prevents water stagnation, ensuring a higher durability to the wood cladding

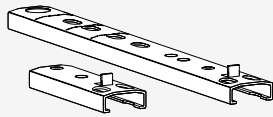


PRACTICALITY

No crushing of the sub-structure, thanks to a larger bearing surface. Mounting sill for an accurate and simple installation of the under-board fastener

CODES AND DIMENSIONS

TERRALOCK

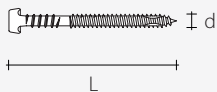


code	material	size [mm]	pcs/box
TER60A2 **	AISI304 / A2	60 x 20 x 8	100
TER180A2 **	AISI304 / A2	180 x 20 x 8	50
TER60ALU **	S250GD + AZ150 *	60 x 20 x 8	100
TER180ALU **	S250GD + AZ150 *	180 x 20 x 8	50
TER60ALUN **	S250GD + AZ150 black *	60 x 20 x 8	100
TER180ALUN **	S250GD + AZ150 black *	180 x 20 x 8	50

* zinc + aluminum passivation

** replaceable system

KKT – SCREW FOR OUTDOOR

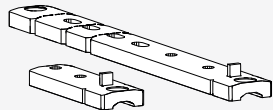


code	material / color	d x L [mm]	insert	pcs/box
KKTX520A4 *	S	5 x 20	TX20	100
KKTX525A4 *	S	5 x 25	TX20	250
KKTX530A4 *	S	5 x 30	TX20	100
KKTX540A4 *	S	5 x 40	TX20	100
KKT550A4	S	5 x 50	TX20	200
KKT560A4	S	5 x 60	TX20	200
KKTG540	T	5 x 40	TX20	200
KKTG550	T	5 x 50	TX20	200
KKTG560	T	5 x 60	TX20	200
KKTN540 *	T	5 x 40	TX20	100
KKTN550	T	5 x 50	TX20	100
KKTN560	T	5 x 60	TX20	100

S= A4 stainless steel T= galvanized and varnished carbon steel

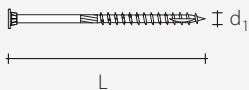
* full threaded screw

TERRALOCK PP



code	material / color	size [mm]	pcs/box
TER60PPM	nylon RAL8017	60 x 20 x 8	100
TER180PPM	nylon RAL8017	180 x 20 x 8	50

KKF - SCREW FOR OUTDOOR



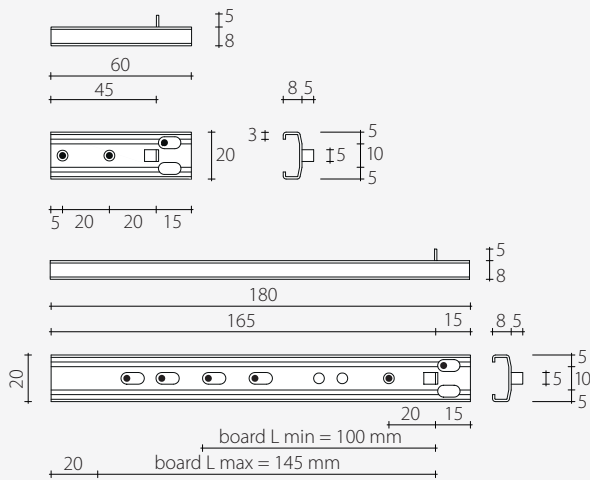
code	material / color	size [mm]	insert	pcs/box
KKF4520	AISI410	4,5 x 20	TX20	100
KKF4525	AISI410	4,5 x 25	TX20	100
KKF4530	AISI410	4,5 x 30	TX20	100
KKF4540	AISI410	4,5 x 40	TX20	250
KKF4550	AISI410	4,5 x 50	TX20	250
KKF4560	AISI410	4,5 x 60	TX20	200

ADDITIONAL PRODUCTS

type	description		material	size [mm]	pcs/box
FUGN	spacing-covering profile		TPE	6-7	100 m
FUGM	spacing-covering profile		TPE	6-7	100 m

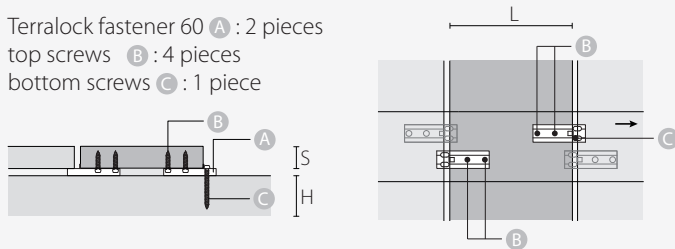
GEOMETRY AND INSTALLATION

TERRALOCK



TERRALOCK 60: FASTENER CHOICE

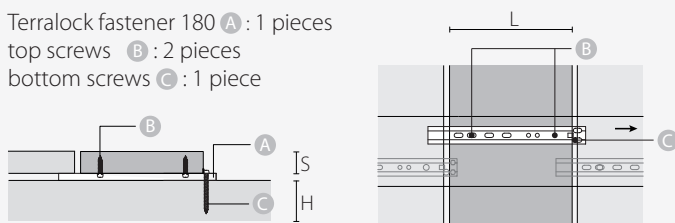
Terralock fastener 60 **A** : 2 pieces
top screws **B** : 4 pieces
bottom screws **C** : 1 piece



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

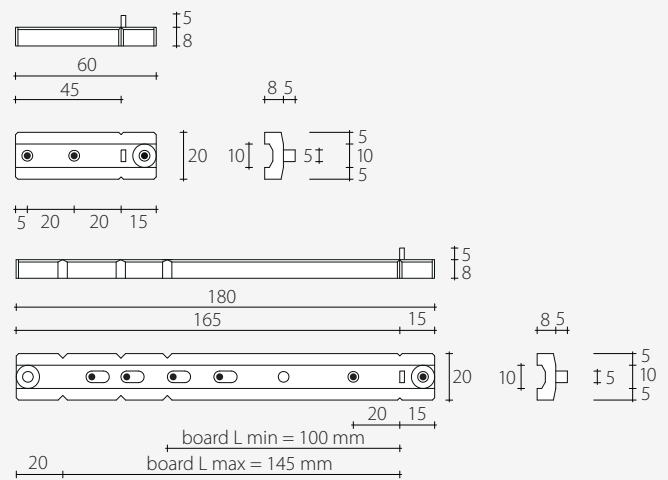
TERRALOCK 180: FASTENER CHOICE

Terralock fastener 180 **A** : 1 pieces
top screws **B** : 2 pieces
bottom screws **C** : 1 piece



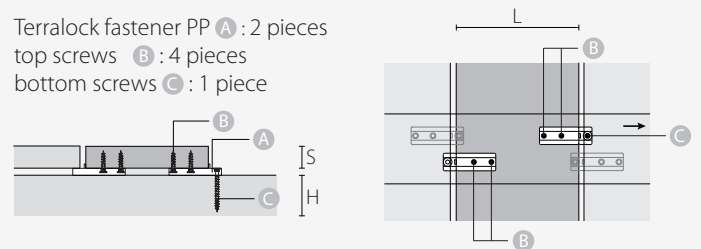
top screw type B	minimum board thickness	bottom screw type C	minimum joist height
KKT X 5 x 20	S > 21 mm	KKT 5 x 40	H > 40 mm
KKT X 5 x 25	S > 26 mm	KKT 5 x 50	H > 50 mm
KKT X 5 x 30	S > 31 mm	KKT 5 x 60	H > 60 mm

TERRALOCK PP



TERRALOCK PP 60: FASTENER CHOICE

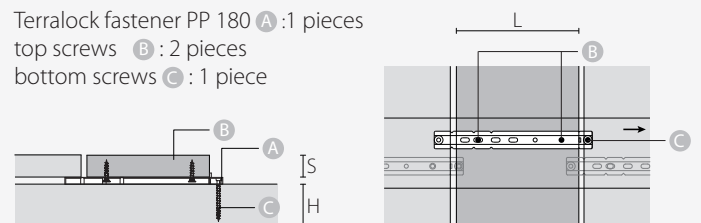
Terralock fastener PP 60 **A** : 2 pieces
top screws **B** : 4 pieces
bottom screws **C** : 1 piece



top screw type B	minimum board thickness	bottom screw type C	minimum joist height
KKF 4,5 x 20	S > 19 mm	KKF 4,5 x 40	H > 38 mm
KKF 4,5 x 25	S > 24 mm	KKF 4,5 x 50	H > 48 mm
KKF 4,5 x 30	S > 29 mm	KKF 4,5 x 60	H > 58 mm

TERRALOCK PP 180 PP: FASTENER CHOICE

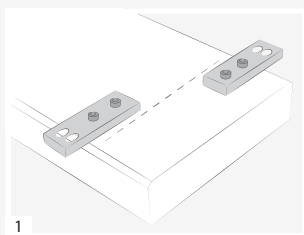
Terralock fastener PP 180 **A** : 1 pieces
top screws **B** : 2 pieces
bottom screws **C** : 1 piece



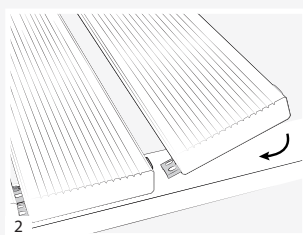
top screw type B	minimum board thickness	bottom screw type C	minimum joist height
KKF 4,5 x 20	S > 19 mm	KKF 4,5 x 40	H > 38 mm
KKF 4,5 x 25	S > 24 mm	KKF 4,5 x 50	H > 48 mm
KKF 4,5 x 30	S > 29 mm	KKF 4,5 x 60	H > 58 mm

ASSEMBLY

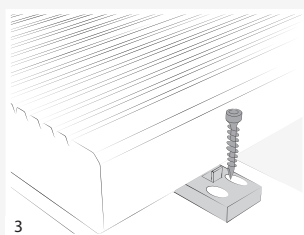
TERRALOCK 60



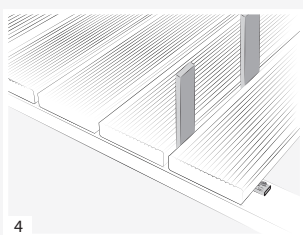
Position two Terralock 60 fasteners per each fixing node.



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

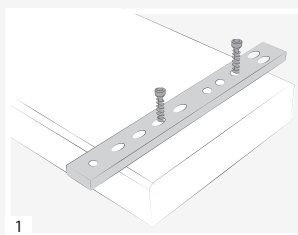


Fix each fastener to the substructure by inserting a KKT screw in one of the two slotted holes.

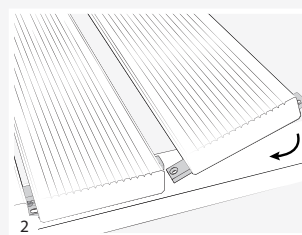


It is recommended to use DIS spacers inserted between the boards

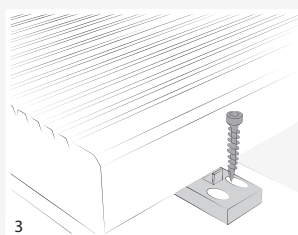
TERRALOCK 180



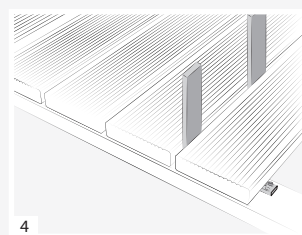
For each board arrange one fastener and fix it by means of two KKTX screws.



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

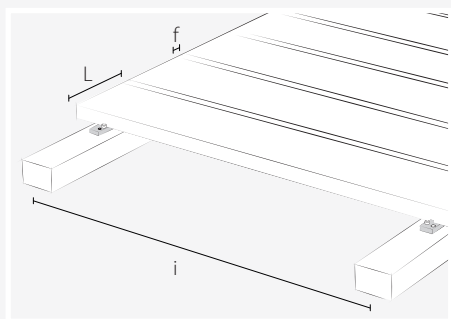


Fix each fastener to the substructure by inserting a KKT screw in one of the two slotted holes.



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

CALCULATION EXAMPLE



i = joists spacing
L = board width
f = slot width

TERRALOCK 60

joist spacing (i) = 0,60 m
board width (L) = 140 mm
gap width (f) = 7 mm
 $1\text{m}^2 / i / (L + f) \times 2 = \text{pcs. a m}^2$

$1\text{m}^2 / 0,6 \text{ m} / (0,14 \text{ m} + 0,007 \text{ m}) \times 2$
= 23 pcs. /m²

+ 46 pcs. top screws type (B) / m²
+ 12 pcs. bottom screws type (C) / m²

TERRALOCK 180

joist spacing (i) = 0,60 m
board width (L) = 140 mm
gap width (f) = 7 mm
 $1\text{m}^2 / i / (L + f) = \text{pcs. a m}^2$

$1\text{m}^2 / 0,6 \text{ m} / (0,14 \text{ m} + 0,007 \text{ m})$
= 12 pcs. /m²

+ 24 pcs. top screws type (B) / m²
+ 12 pcs. bottom screws type (C) / m²

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 the optimal positioning of the end stop allow for assembly on inclined subframes.

