

TERRACES AND DECKS

WOODEN VENTILATED FACADES

OPEN & SPA DECKS

GARDEN ROADS

QUAY PIERS

BALCONIES

FLOORS

FENCES

PIERS

invitie


hidden

fasteners

HIDDEN FASTENING SYSTEMS FOR TIMBER CONSTRUCTION

The INVITIE LLC has been a leader in developing the hidden fastening systems InviTie® for timber construction for more than 10 years. We specialize in the field of inventing the hidden fastening systems for construction and finishing boards of interiors and exteriors of any complexity:

- the hidden fasteners for mounting support and joist structures for the vertical and horizontal boarding (the accessible roof areas, the heavily loaded decks, the wooden ventilated facades, the roof truss system)
- the hidden fasteners for the facade/deck boards of various wood species (softwood, medium hardwood, hardwood, exotic hardwood) and various shapes (straight, bevelled, grooved board with any parameters, WPC)
- the hidden fasteners for mounting ornamental woodwork, designer wooden ceilings, wall/ceiling panels, fences and enclosures.



The InviTie Hidden Fastening systems are tailored for different wood properties and purposes, provide strength and ensure long time life of the mounted structure, excluding the possibility of natural wood warping during seasonal changes when in contact with metal.

Let us take care of your terrace!

Sincerelly yours,
The InviTie Hidden Fasteners's team



The Equipment

framework



lag bar
larch
50x150



Regulable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

finishing



rainscreen shields
teak



190 GS Standard DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

anchor 10x100
to install RH 70x70x150
on concrete base



190 GS SDS fastening with
joist cone-shaped hat screws
4-4,5x30
board cone-shaped hat screws
4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
40x40

board & fasteners



toned merbau
straight board
21x120



190 GS Standard DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150

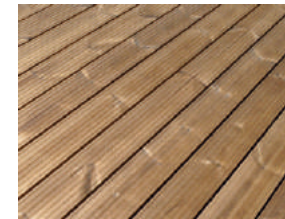


The Venty 70x60x150
Regulable U-shaped
Support



mounting
bracket
40x40

board & fasteners



heat-treated pine
straight board
anti-slip 27x120



190 GS Standard DeckSnake
with a spacer / 6 mm gap
interlocking fastener



fixing connectors

cone-shaped hat screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings



joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20



The Equipment

lag-supporting frame



lag bar
larch
50x70



mounting
bracket
40x40

board & fasteners



toned merbau
beveled board
velvet 21x120



145 G Standard DeckSnake
without a spacer / any gap
interlocking fastener

fixing connectors

joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20





The Facade Equipment

framework



lag bar
larch
50x70



Regulable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

board & fasteners



thermoabash
bevelled board
20x95



145 G Standard DeckSnake
without a spacer / any gap
interlocking fastener

fixing connectors

anchor 10x100
to install RH 70x70x150
on concrete base



190 GS SDS fastening with
joist cone-shaped hat screws
4-4,5x30
board cone-shaped hat screws
4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
40x40

board & fasteners



toned larch
straight board
anti-slip 28x95

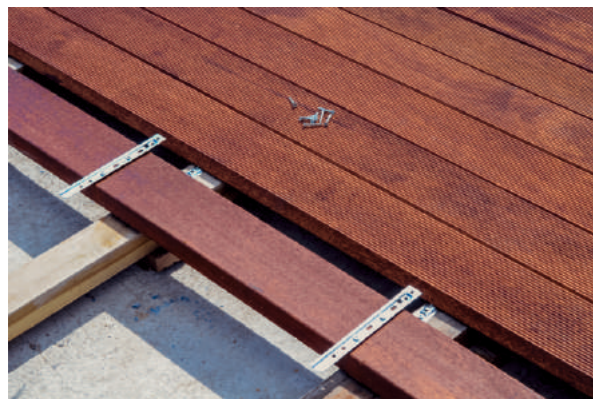
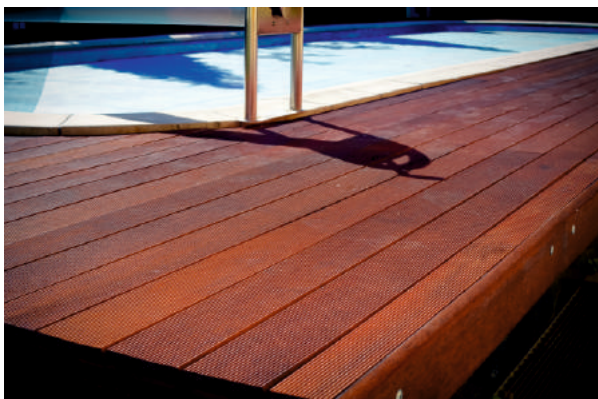


190 GS Boat DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
60x70

board & fasteners



toned merbau
beveled board
velvet 21x120



190 GS Boat DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



**The Standard 70x60x150
Regulable U-shaped
Support + Base 100x100**

board & fasteners



toned teak
straight board
20x120

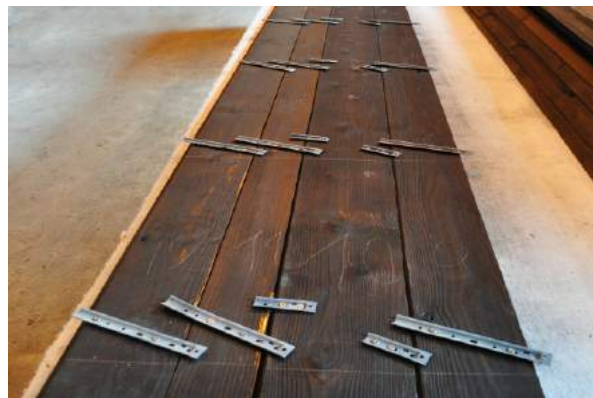
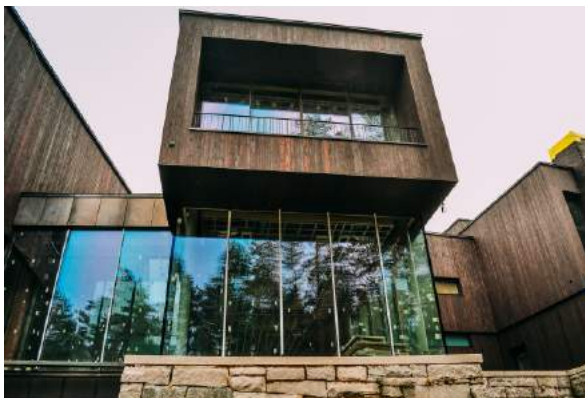


190 TS Boat DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20





The Facade Equipment

framework



lag bar
larch
50x70



Regulable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

board & fasteners



larch
toned and brushed
bevelled board
27x170, 27x130, 27x90



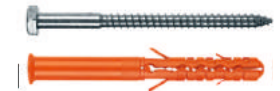
190 TS Boat DeckSnake
with a spacer // 6 mm gap



80 TS Boat DeckSnake
with a spacer // 6 mm gap
interlocking fastener

fixing connectors

anchor 10x100
to install RH 70x70x150
on concrete base



190 GS SDS fastening with
joist cone-shaped head screws
4-4,5x30
board cone-shaped head screws
4-4,5x16-20





The Facade Equipment

framework



lag bar
larch
50x150



Regulable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

board & fasteners



toned pine
glulam imitation board
antiseptified
30x270



145 S Boat DeckSnake
without a spacer // any gap
interlocking fastener

fixing connectors

anchor 10x100
to install RH 70x70x150
on concrete base



190 GS SDS fastening with
joist cone-shaped head screws
4-4,5x30
board cone-shaped head screws
4-4,5x16-20





The Equipment

ceiling



toned larch
straight planken
22x90



145 G Boat DeckSnake
without a spacer / any gap
interlocking fastener

walls



toned cedar
beveled planken
22x140



190 GSS Boat DeckSnake
with a spacer / 6 mm gap
interlocking fastener

floor



lag bar
larch
30x40



The Venty 70x60x150
Regurable U-shaped
Support



toned larch
straight planken
20x90

fixing connectors

cone-shaped hat screws 5-6x30
to set the lag bar between
The Regurable U-shaped Support's wings



joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20



The Piers Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
60x70

board & fasteners



pine
velvet
straight board
27x120



190 PS Bridge DeckSnake
with a spacer / 6 mm gap
interlocking fastener
plastic ABS+

fixing connectors

cone-shaped hat screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings



joist cone-shaped hat screws 4-4,5x30
board cone-shaped hat screws 4-4,5x16-20



The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
60x70

board & fasteners



pine
straight board
28x140



70 PS Bridge DeckSnake
with a spacer // 6 mm gap
interlocking fastener, plastic ABS+

fixing connectors

joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
40x40

board & fasteners



oak
straight board
velvet 21x120

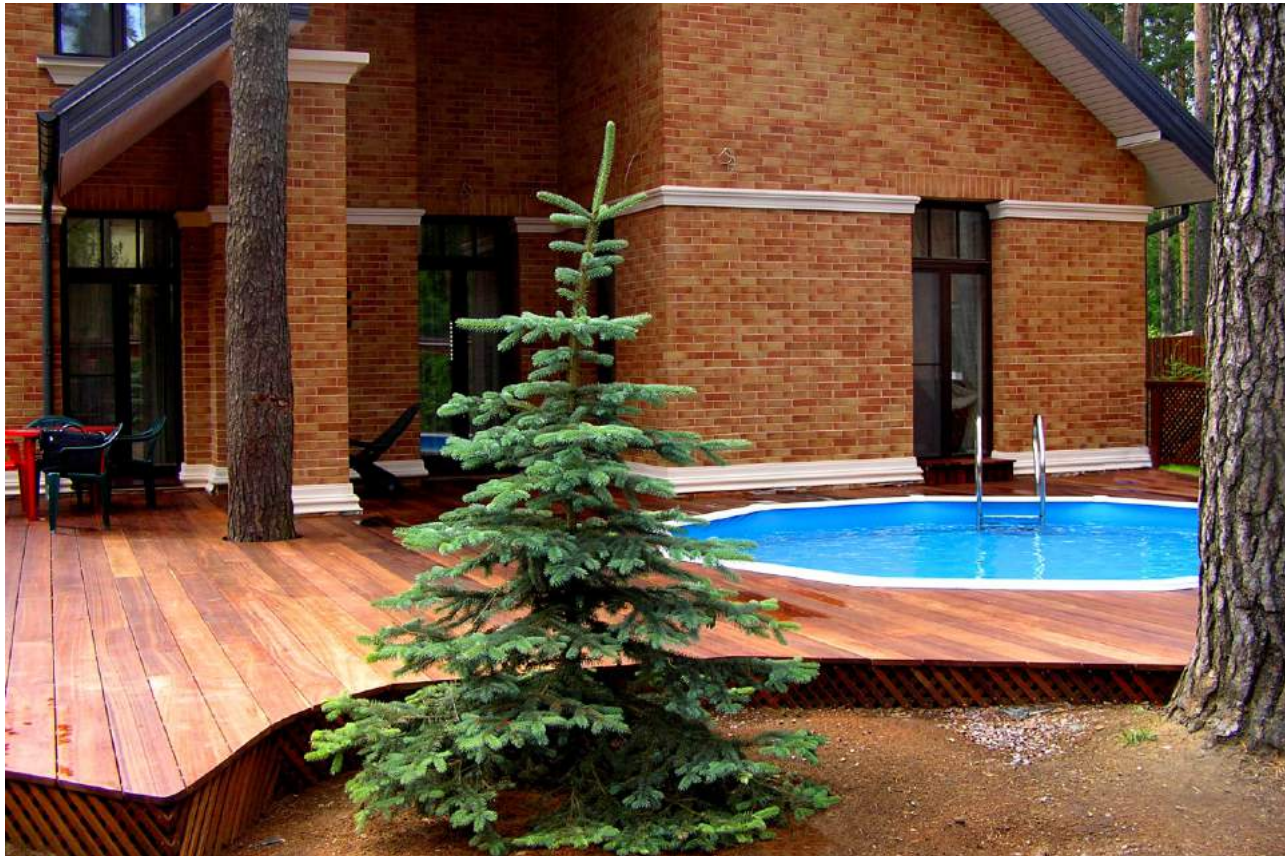


210 PS Atlant DeckSnake
with a spacer / 6 mm gap
interlocking fastener

fixing connectors

- joist cone-shaped head screws 4-4,5x30
- board cone-shaped head screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
40x40

board & fasteners



kumaru
straight board
21x145



210 GS Atlant DeckSnake
with a spacer // 6 mm gap
interlocking fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20



The Restaurant "IL LAGO dei cigni"



The Duplex 10

installation of decorative finishing strips



column facing with facade board



Installation of rainscreen framework on regulable hanger

Architectural design
Interior design

Cube System, Russia
HBA, England

Technological solutions & Fastening Systems DeckTie for timber constructions

The World of Hidden Fasteners
Russia

Timber for terraces, facades & interiors

teak imported from Burma



190 GS SDS

The Standard DeckSnake



The Regulable Hanger for wooden ventilated facades



190 G SDS

The Standard DeckSnake



The Duplex 40

Installation of radial rainscreens

Suspended lathed ceiling



Teak fencing supports



The Krestovsky Island, Saint-Petersburg

Installation of long LVL roof beams
to RUS 360x600x600



Installation of parquet
flooring with teak deck boards



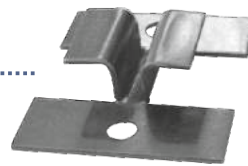
Installation of flooring
with grooved board



The Standard Regulable
U-shaped Support



190 GS BoatDS
The Boat DeckSnake



S2 Crab

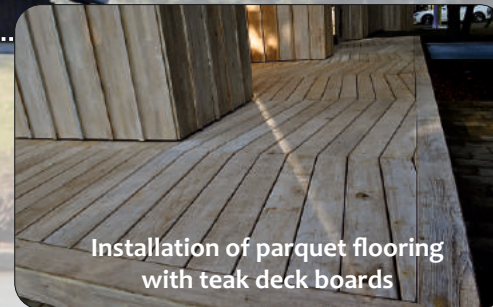


190 GS UDS
The U DeckSnake



The Standard + Base
Regulable U-shaped
Support

Installation of framework for 1 and 2 floor decking



Installation of parquet
flooring with teak deck boards



The Deck Equipment

lag-supporting frame



metal
joists

plastic
опоры

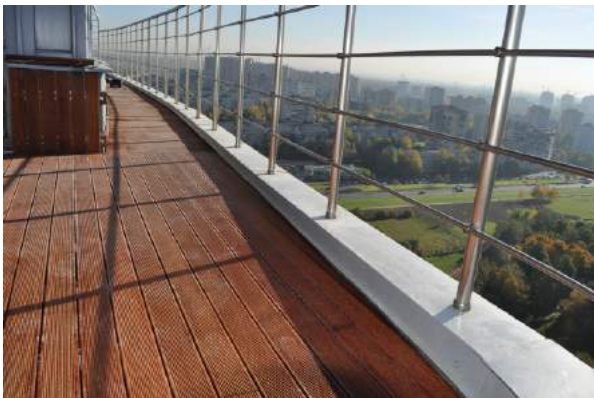
board & fasteners



merbau
straight board
velvet 21x120



145 G Boat DeckSnake
without a spacer // any gap
interlocking fastener



fixing connectors

joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
60x70

board & fasteners



toned larch
straight board
27x95



The G Key DeckTie
with a spacer / 6 mm gap
claw fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20





The Pier Equipment

lag-supporting frame



lag bar
larch
50x150



long
metal
piles



mounting
bracket
60x70

board & fasteners



toned larch
straight board
28x95



The G Key DeckTie
with a spacer / 6 mm gap
claw fastener

fixing connectors

cone-shaped head screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings



joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20



The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



**The Standard 70x60x150
Regulable U-shaped
Support + Base 100x100**



mounting
bracket
60x70

board & fasteners



toned iroco
straight board
27x120



The G Cobra DeckTie
with a spacer // 6 mm gap
claw fastener

fixing connectors

cone-shaped head screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings



joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



mounting
bracket
60x70

board & fasteners



toned kempas
straight board
velvet 20x145



The G Cat DeckTie
with a spacer // 6 mm gap
claw fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20



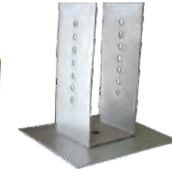


The Deck Equipment

lag-supporting frame



lag bar
larch
40x100

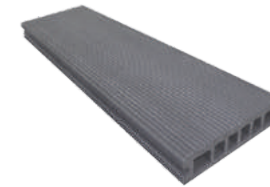


**The Standard 70x70x200
Regulable U-shaped
Support + Base 100x100**



mounting
bracket
40x40

board & fasteners



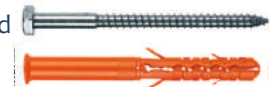
WPC board with
symmetrical groove
25x140



The S3 Crab
4 mm gap
grooved fastener

fixing connectors

anchor 10x200
to install The Regulable U-shaped
Support on concrete base



cone-shaped head screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings



joist cone-shaped head screws 4-4,5x30
board cone-shaped head screws 4-4,5x16-20





The Deck Equipment

lag-supporting frame



lag bar
larch
40x100

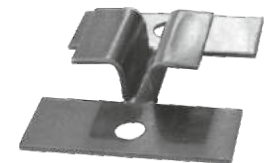


mounting
bracket
40x40

board & fasteners



cedar Alaska
symmetrical groove
velvet 22x100



Crab S2
6 mm gap
grooved fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30





The Deck Equipment

lag-supporting frame



lag bar
larch
40x100



mounting
bracket
40x40

board & fasteners



WPC
symmetrical groove
velvet 25x140



WPC DeckBrick
with a spacer // 6 mm gap
grooved fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30





The Deck Equipment

lag-supporting frame



lag bar
larch
40x100



mounting
bracket
40x40

board & fasteners



toned larch
straight board
20x110



The Omega Screw
2 mm gap
grooved fastener

fixing connectors

joist cone-shaped head screws 4-4,5x30





The Equipment

ceiling framework



lag bar
larch
70x150

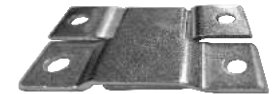


Regurable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

board & fasteners



teak
strips
20x75



Duplex T
combined
fastener



fixing connectors

anchor 10x200
to install The Regurable Hanger
on concrete base



cone-shaped head screws
4-4,5x16-30





The Equipment

обрешетка на фасаде



lag bar
larch
70x150



Regurable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

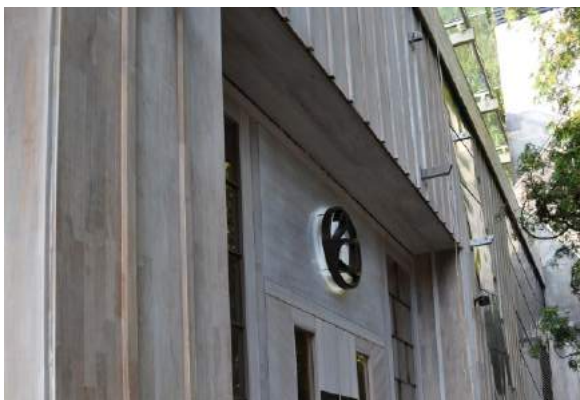
board & fasteners



teak
strips
14x25



Duplex 10x40
combined
fastener



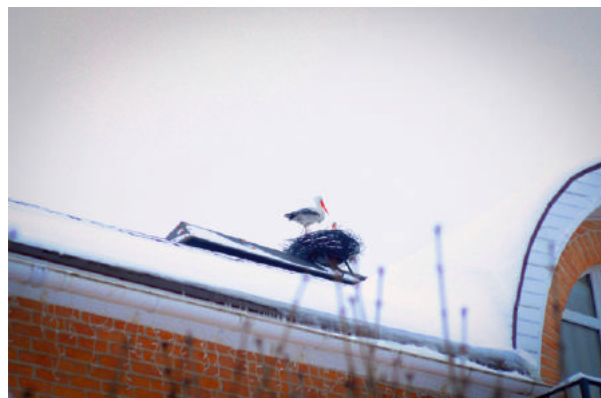
fixing connectors

anchor 10x200
to install The Regurable Hanger
on concrete base



cone-shaped head screws
4x16





The Fencing Equipment

vertical frame



toned larch
straight planken
20x90



steel pipe
3x60x80

board & fasteners



toned larch
beveled planken
20x90



The Duplex 40
combined
fastener

fixing connectors

cone-shaped hat screws 16x30 to join board with metal





The Ceiling Equipment

frame



lag bar
larch
70x150

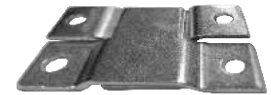


Regurable Hanger 70x70x150
for wooden rainscreen
powder-coated steel

board & fasteners



larch
strips
20x75



The Duplex T
combined
fastener

fixing connectors

cone-shaped hat screws 16x30





The Equipment

lag-supporting frame



lag bar
larch
50x150



The Venty 70x60x150
Regulable U-shaped
Support

fixing connectors



fastening tool HILTI DX



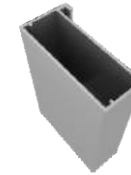
fastening cartridge X-U 16





The Equipment

facade framework



aluminum lags



lag bar larch 50x150



asbestos gasket 100x100 eliminates cold bridges



Regula Hanger 70x70x150 for wooden rainscreen powder-coated steel

fixing connectors

anchor 10x100 to install The Regula Hanger on concrete base



cone-shaped head screws 4x16





The Deck Equipment

lag-supporting frame



lag bar
larch
50x150



**The Standard 70x60x150
Regulable U-shaped
Support + Base 100x100**



fixing connectors

anchor 10x100
to install The Regulable U-shaped
Support on concrete base



cone-shaped head screws 5-6x30
to set the lag bar between
The Regulable U-shaped
Support's wings





invitie
hidden fasteners



**The INVITIE Hidden Fastening Systems
for timber construction**

www.invitie.eu

