

HULKWOOD
COMPOSITE CLADDING

NATURA[®]



TECHNICAL GUIDE

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HULKWOOD
COMPOSITE CLADDING

A WPC CLADDING WHICH LOOKS LIKE NATURAL WOOD

It has the advantage of not fading over time and being resistant to moisture thanks to a waterproof polyethylene film that covers its entire surface.

Primarily composed of bio-sourced materials 65% wood fibers and 35% recycled plastics Hulkwood cladding Natura boards are themselves 100% recyclable.

Installation is done on a wooden or aluminum structure by screwing into the upper tongue and interlocking the boards. Finishing profiles such as corner angles and U-starting rails are provided to facilitate installation. The boards can be installed on all types of supports: concrete, masonry supports, wooden frames with or without external insulation

Lastly, Hulkwood cladding Natura boards have a highly realistic wood appearance with deep, matte colors. Multi-chromatic color variations within a single board add rhythm to the façade and provide an unmatched warm aesthetic.



Warranty limited residential



UV resist



50% bio sourced



AVAILABLE IN 4 COLORS



PROFILES & ACCESSORIES



15 X 173MM - CLADDING BOARD
3.90 M - 6.4 KG (PCS)
Coverage per board : 0.5967 m²



SANDY BEACH MOCKA DARK GREY LIGHT GREY



EDGING - ALUMINIUM F PROFILE
35 x 45 mm x 3 m

- SANDY BEACH: (RAL8024 / PANTONE 469C)
- DARK GREY: (RAL7022 / PANTONE 425C)
- MOCKA: (RAL8028 / PANTONE 4975C)
- LIGHT GREY: (RAL7006 / PANTONE 408C)



COLOURED STAINLESS STEEL SCREWS A2 TORX 4.2 X 38 MM
100 units per box + bit
Visible screwing + Edging

- SANDY BEACH: (RAL8024 / PANTONE 469C)
- DARK GREY: (RAL7022 / PANTONE 425C)
- MOCKA: (RAL8028 / PANTONE 4975C)
- LIGHT GREY: (RAL7006 / PANTONE 408C)



STAINLESS STEEL SCREWS A2 TORX 4.2 X 32 MM
200 units per box + bit
Hidden screwing



STARTER ALUMINIUM PROFILE (2 PCS)
25 x 0,7 mm x 3 m



INSTALLATION - KEY POINTS



1. STORAGE & HANDLING

Composite wood is sensitive to creep.

- > Always store boards flat, ensuring they rest along their full length.
- > Keep protective covers on pallets during installation.
- > Avoid placing heavy loads on stored boards.
- > Carry boards one or two at a time along their edges

2. TOOLS REQUIRED

- > Miter saw for cutting, placed on a table.
- > Cladding screwdriver, equipped with a torque limiter or clutch stop.



3. WOODEN FRAMEWORK

Wooden slats with durability suitable for outdoor use (+ optional protective strip).

Double slats at boards joints.

Batten spacing: 400 mm

> Installation directly on the wall (horizontal + vertical): slats with a 27x40 mm section minimum.

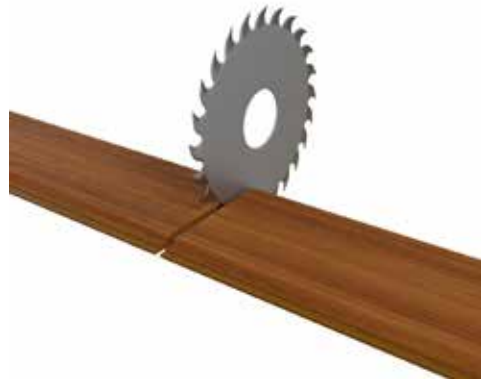
> Installation with external insulation:

Horizontal: slats with a 60x40 mm section minimum.

Vertical (crossed substructure): first layer of slats with a 60x40 mm section and second layer of slats with a 27x40 mm section minimum.

4. CUTTING

- > Boards should be calibrated before installation.
May have an excess length of 10 mm, requiring trimming for clean joints

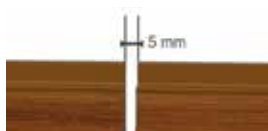
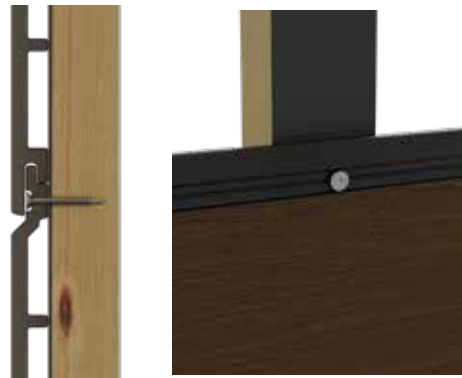


5. VENTILATION

- > Ground clearance: 150 mm.
- > Ventilation gaps at top and bottom: 20 mm.
- > Air cavity between wall and cladding:
Minimum 20 mm.

6. FIXING ON WOODEN OR ALUMINUM SUPPORT

- A2 Stainless steel self-drilling wood screws
4.2 x 32 mm.
- Flat head : Ø 8mm.
- Torx mark : T20
- Minimum anchoring depth
into wood : 25 mm.



6. EXPANSION & CONTRACTION

- > Expansion coefficient: 1mm per meter per 40°C temperature difference.
- > Maintain a 5 mm gap between board ends and obstacles (windows, walls, corners).

8. INSTALLATION ORIENTATION

Horizontal Installation: The installation starts at the bottom of the façade with the Natura Hulkwood Cladding starter profile

The starter profile is positioned horizontally. Screw it in place ensuring that the screw head does not obstruct the placement of the first board.

The boards are installed horizontally by interlocking along their longitudinal edge and fixing them with self-drilling screws Ref. FD1940 in the notch of the upper tongue, designed for this purpose.

The last board is secured at the top using a 4.2x38mm through screw, visibly placed on each batten. It must maintain a minimum edge clearance of 15 mm.

Vertical Installation : The Hulkwood Natura cladding boards are installed on wooden slats with a 27x40mm section, spaced a maximum of 400 mm apart. A double framework is required.

The first layer of wooden slats (40x60mm) is fixed vertically to the support.

The second layer of wooden slats (27x40mm) is fixed horizontally to the first layer.

The boards are secured to the slats using self-drilling screws

Board joints must always align with a slat.

A 5 mm gap must be maintained between boards to allow for expansion due to temperature and humidity variations. The wooden support behind the boards must be protected with an EPDM sealing strip.

The minimum edge clearance on the slats must be 15 mm.

The first boards at the bottom must rest on the starter profile.



9. FINISHING

It is recommended to use lacquered aluminum profiles for finishing :

- > Corner trims (internal and external)
- > Cladding end trims
- > Under-cladding profiles
- > Window frame trims
- > Expansion joints (vertical and horizontal)

10. AGING & MAINTENANCE

The polyethylene protective film ensures 20 years of UV resistance without visible fading.

Cleaning with water pressure (max. 100 bars at 30 cm distance) can be done depending on exposure to dirt and dust accumulation.

HULKWOOD CLADDING NATURA CHARACTERISTICS

1 - DESCRIPTION OF WEO® ESSENTIAL CLADDING

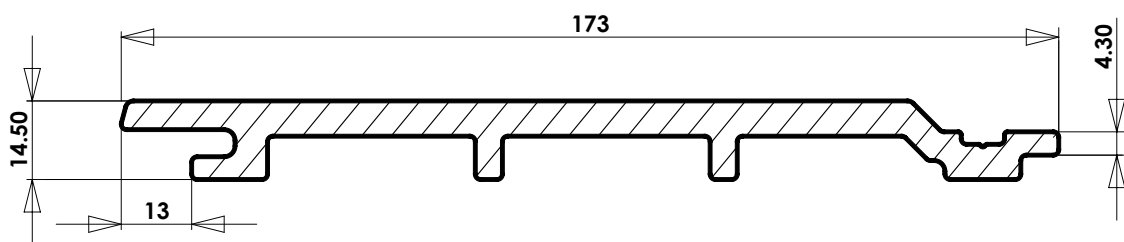
Hulkwood Cladding Natura is a siding system designed for ventilated facades.

It is an eco-friendly, bio-sourced material, composed of 95% recycled products and is 100% recyclable.

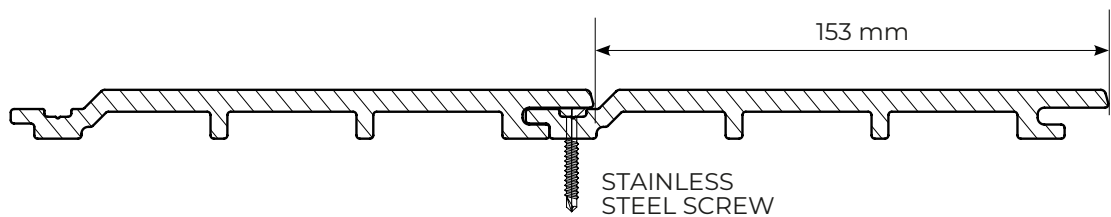
The main component is wood, making up more than 60% of its composition, combined with high-density polyethylene (HDPE), both derived from a waste recycling process.

The boards are installed by interlocking along their longitudinal edge and are fixed onto a wooden slats or aluminum framework, which is attached to the load-bearing structure using adjustable brackets or fixed directly to the support. A minimum 20 mm ventilated air gap is required between the inner face of the boards and the outer surface of the load-bearing wall or any thermal insulation.

Hulkwood Cladding Natura features a matte brushed finish with multi-chromatic pigmentation. It is available in four colors: Sandy Beach, Mocka, Dark Grey, and Light Grey.



Coverage per board	0,596 m ²
Weight per sq/m	10,72 kg/m ²
Width	173 mm
Width (when lapped)	153 mm



3M90

QTY OF SCREWS PER SQ/M	17
QTY OF BOARDS PER SQ/M	1.68

1 - RANGE 09

2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS 10

- 2.1 General View
 - 2.2 Bottom of the wall and top
 - 2.3 External Corner
 - 2.4 Internal Corner
 - 2.5 Installation
 - 2.6 Air gap splitting (in accordance with fire regulations)
 - 2.7 Cladding End Trim
 - 2.8 Vertical Expansion Joint
 - 2.9 Board Replacement
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3 - INSTALLATION ON WOOD FRAME CONSTRUCTION 19

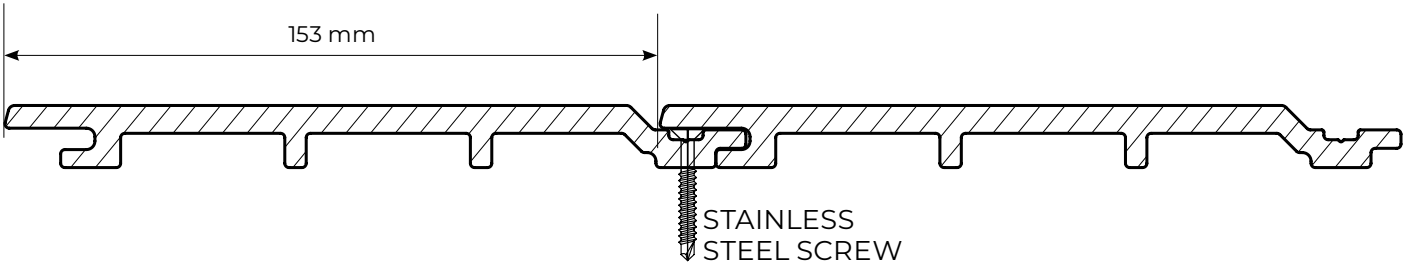
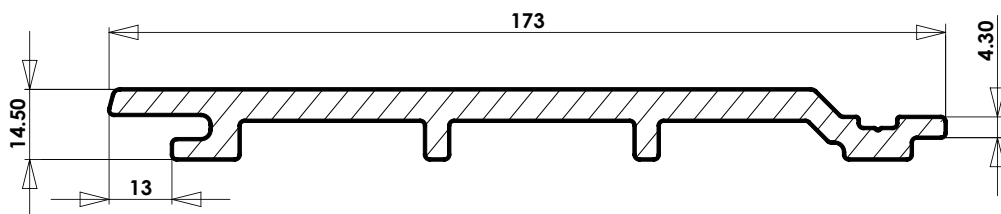
4 - INSTALLATION ON METAL FRAME 20

5 - VERTICAL INSTALLATION ON ALL SUPPORTS 21

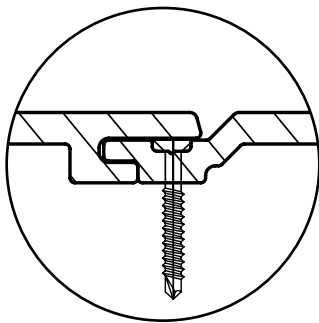
- 5.1 General View
- 5.2 Bottom of the wall and top
- 5.3 External Corner
- 5.4 Internal Corner
- 5.5 Installation



1- RANGE



HORIZONTAL & VERTICAL
INSTALLATION



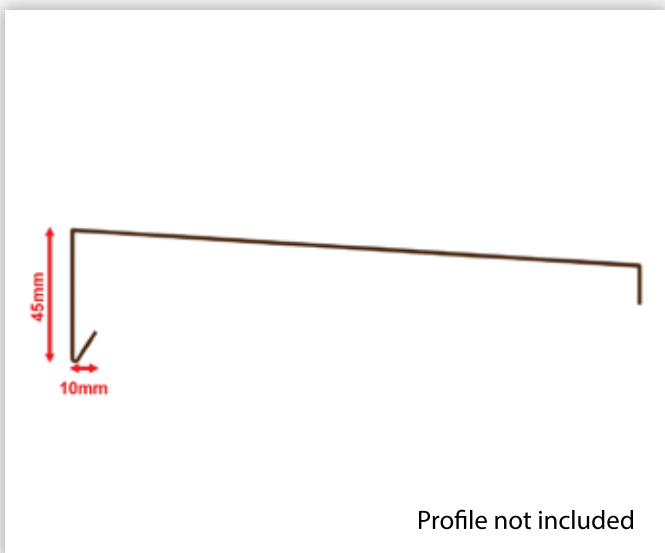
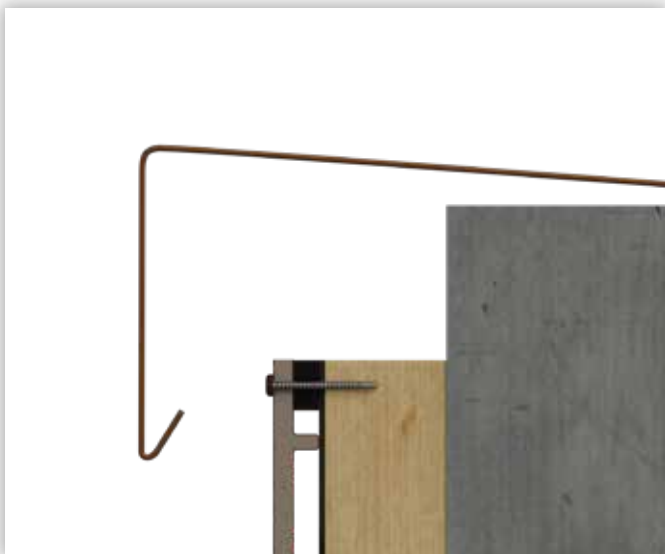
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.1 - GENERAL VIEW



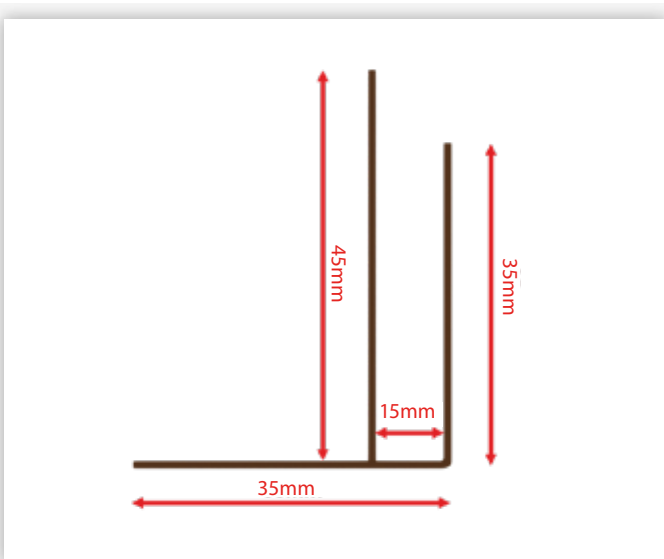
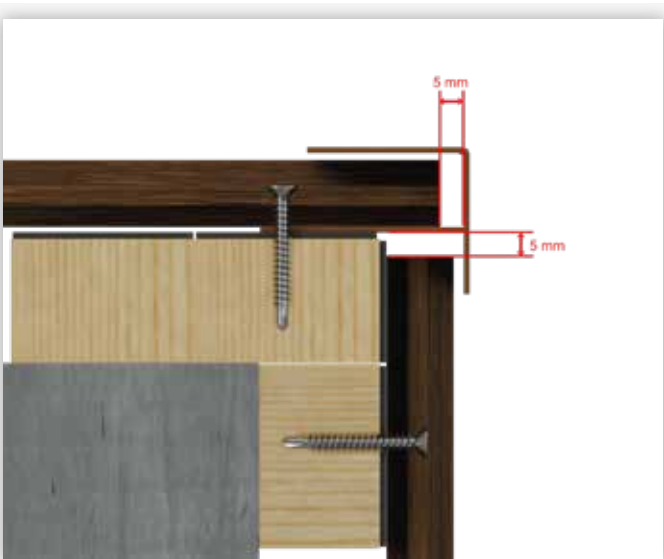
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.2 - BOTTOM OF THE WALL AND TOP



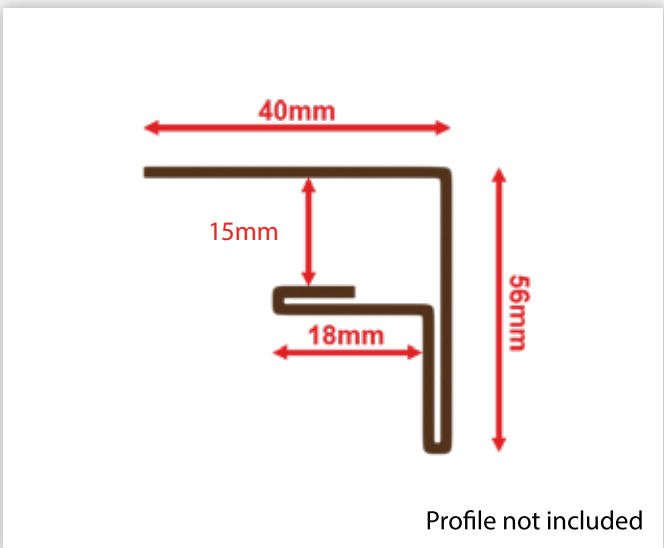
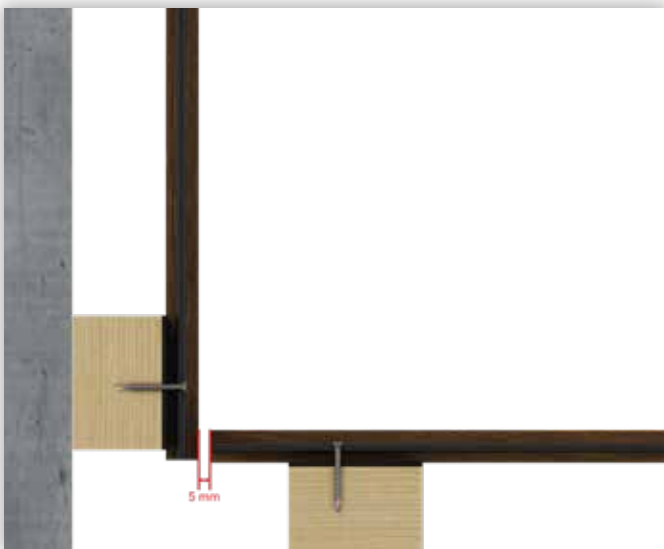
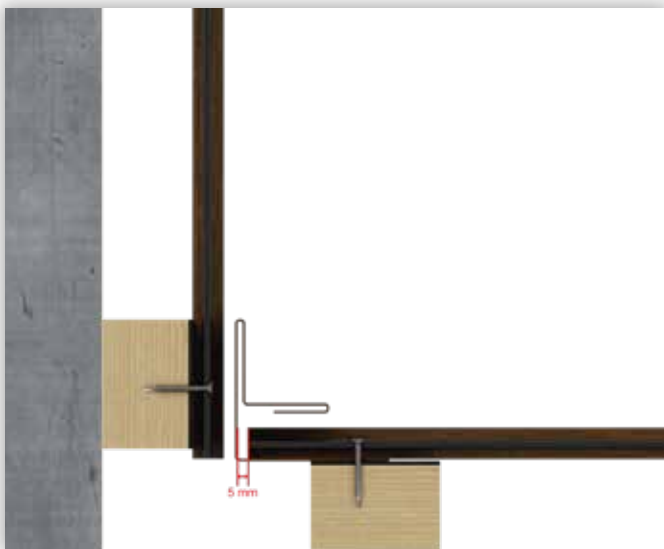
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.3 - EXTERNAL CORNER



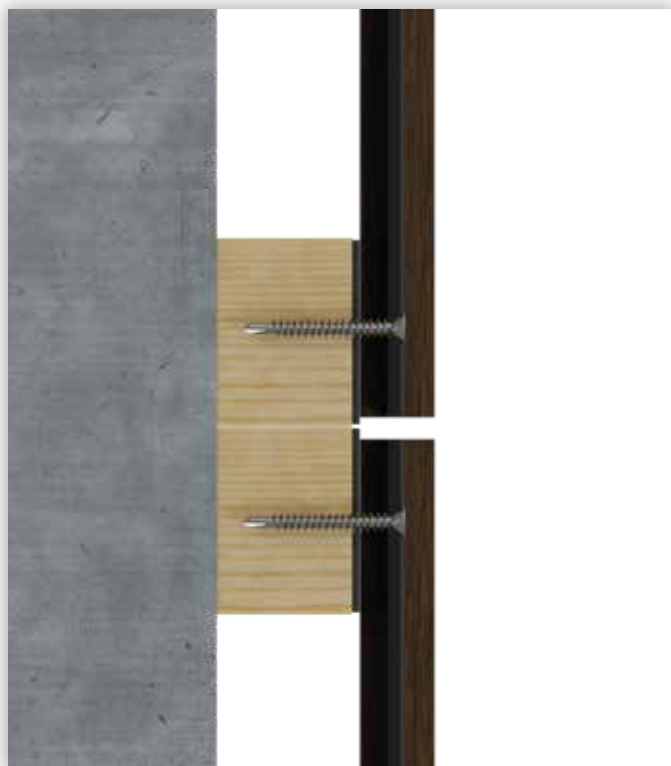
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.4 - INTERNAL CORNER



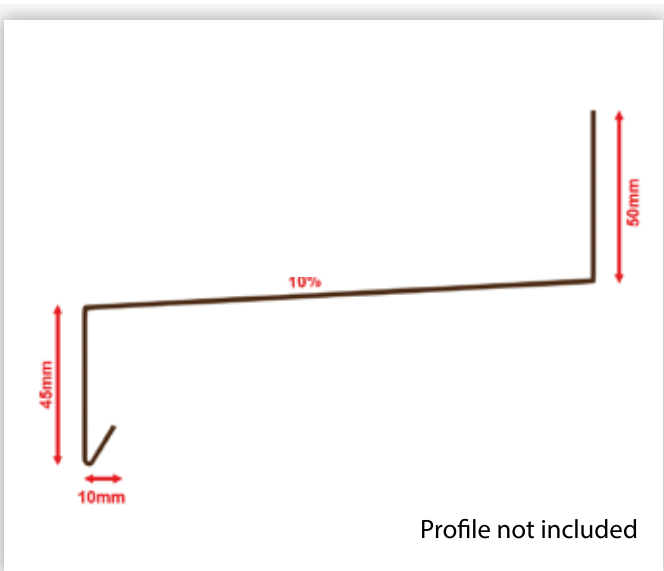
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.5 - INSTALLATION



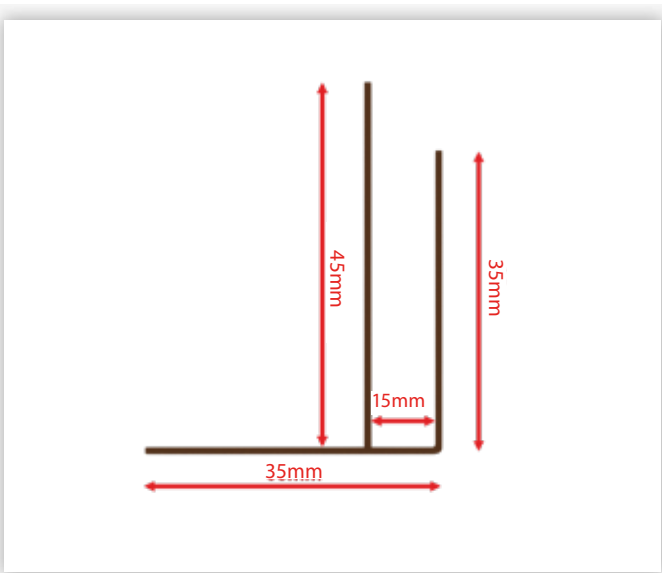
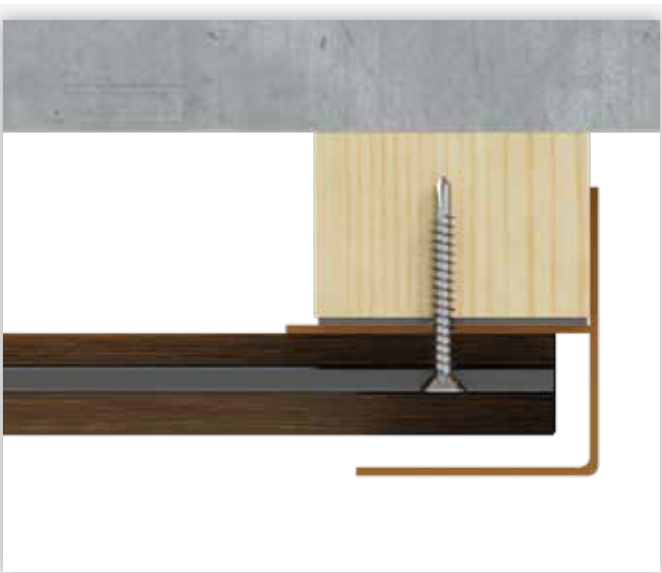
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.6 - AIR GAP SPLITTING (IN ACCORDANCE WITH FIRE REGULATIONS)



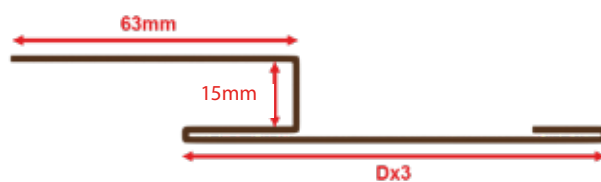
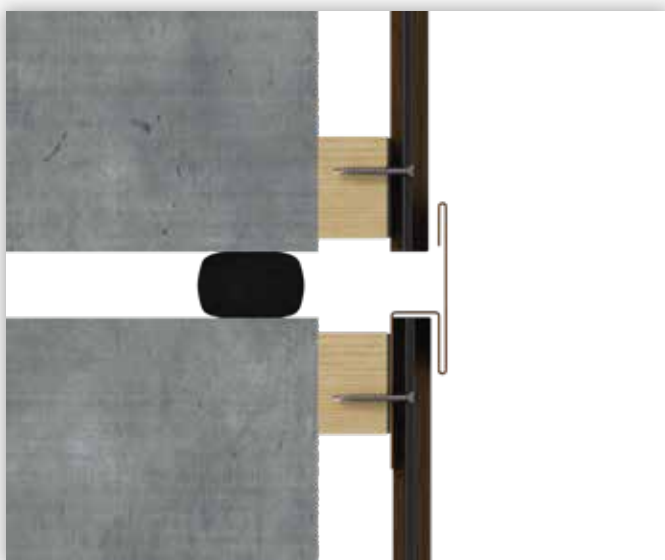
2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

2.7 - CLADDING END TRIM



2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

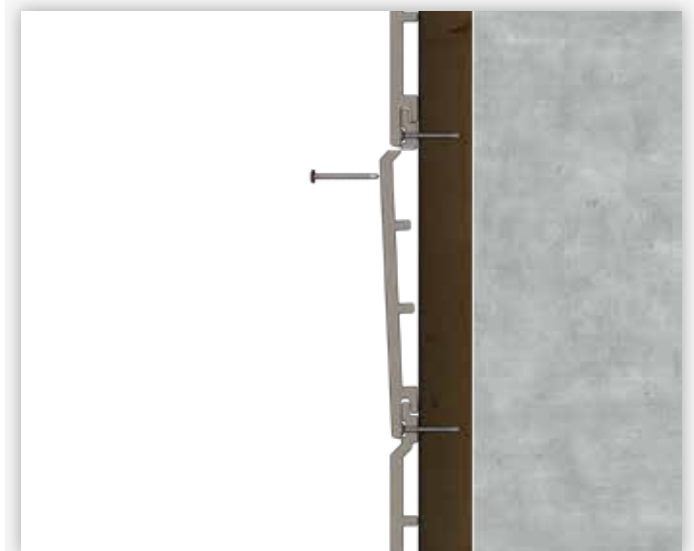
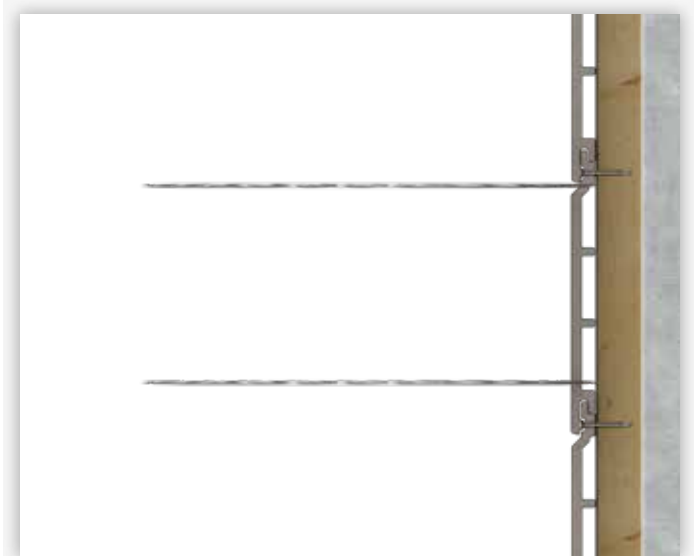
2.8 - VERTICAL EXPANSION JOINT



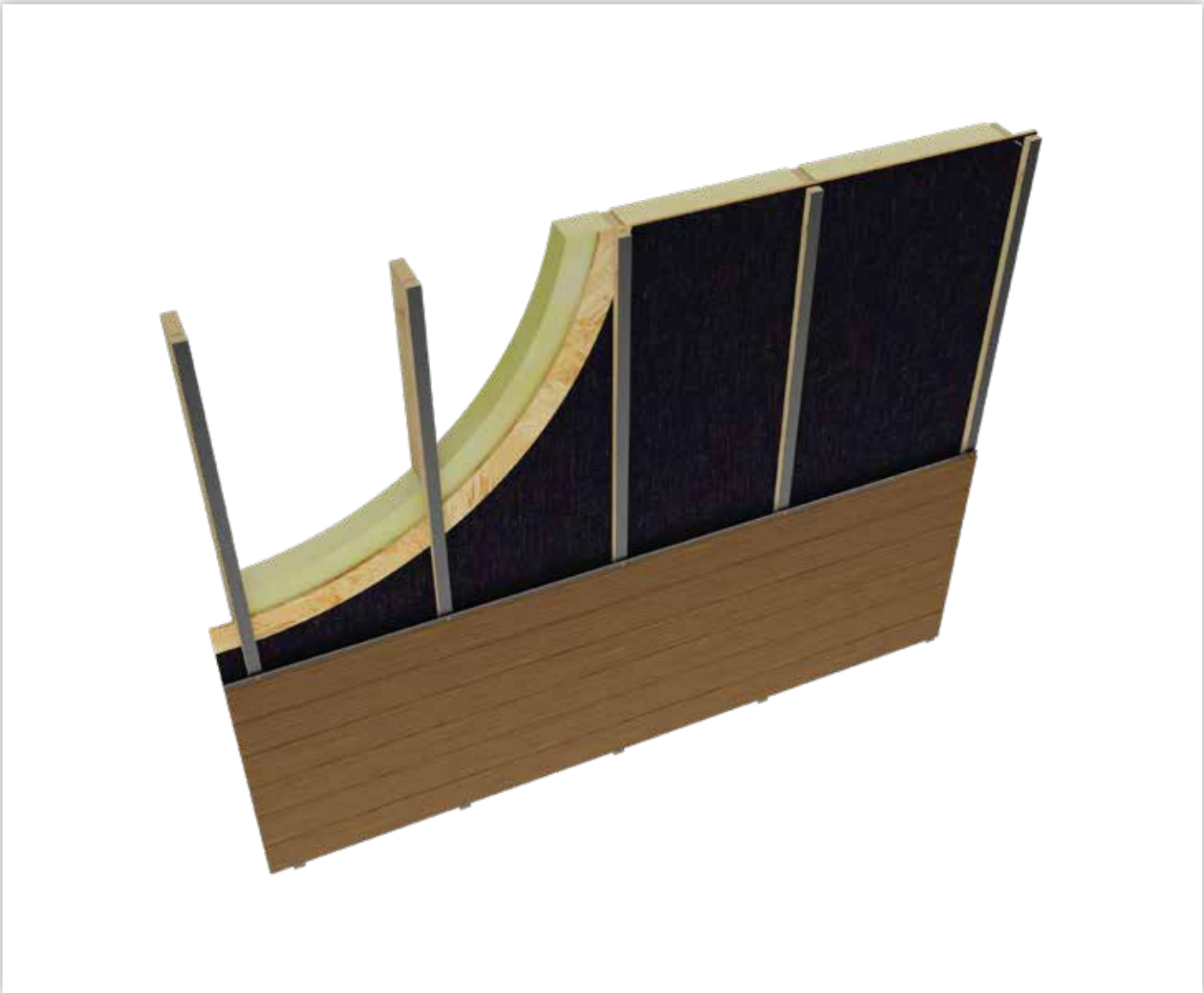
Profile not included

2 - HORIZONTAL INSTALLATION ON ALL SUPPORTS

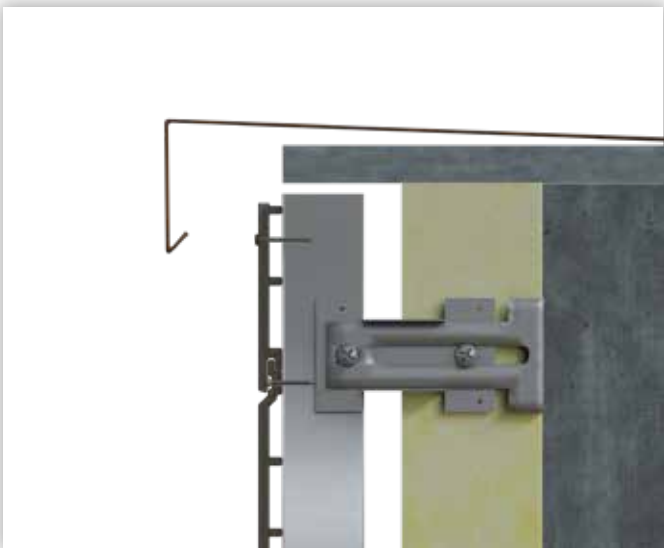
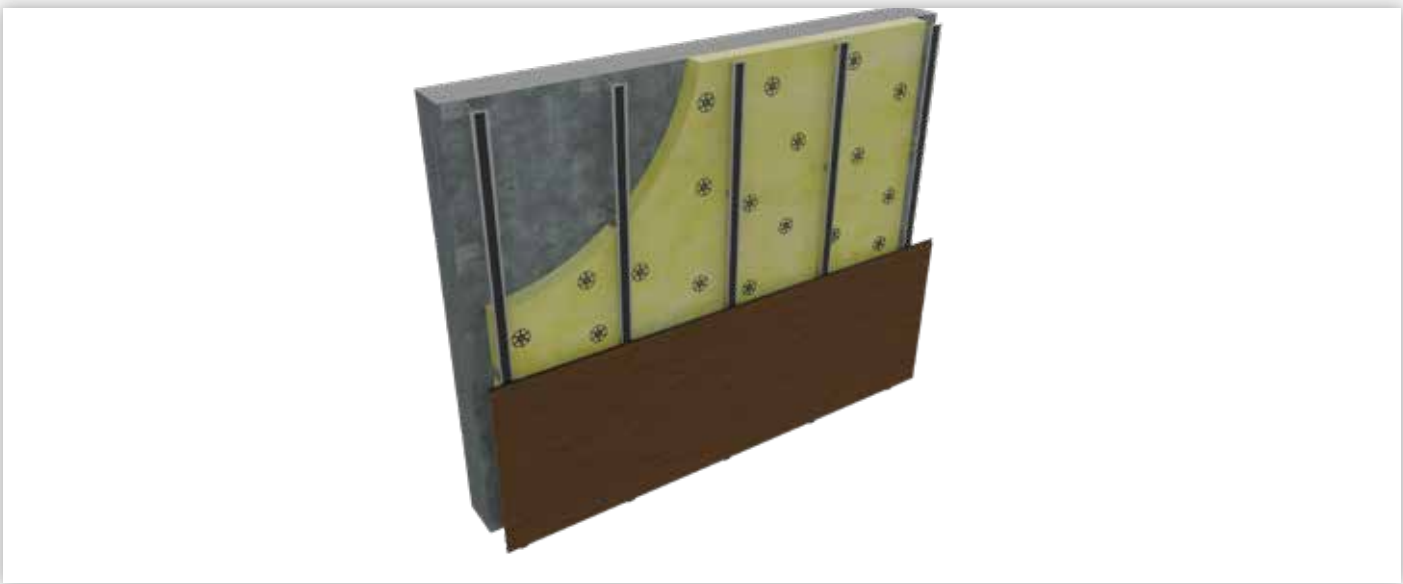
2.9 - BOARD REPLACEMENT



3 - INSTALLATION ON WOOD FRAME CONSTRUCTION



4 - INSTALLATION ON METAL FRAME



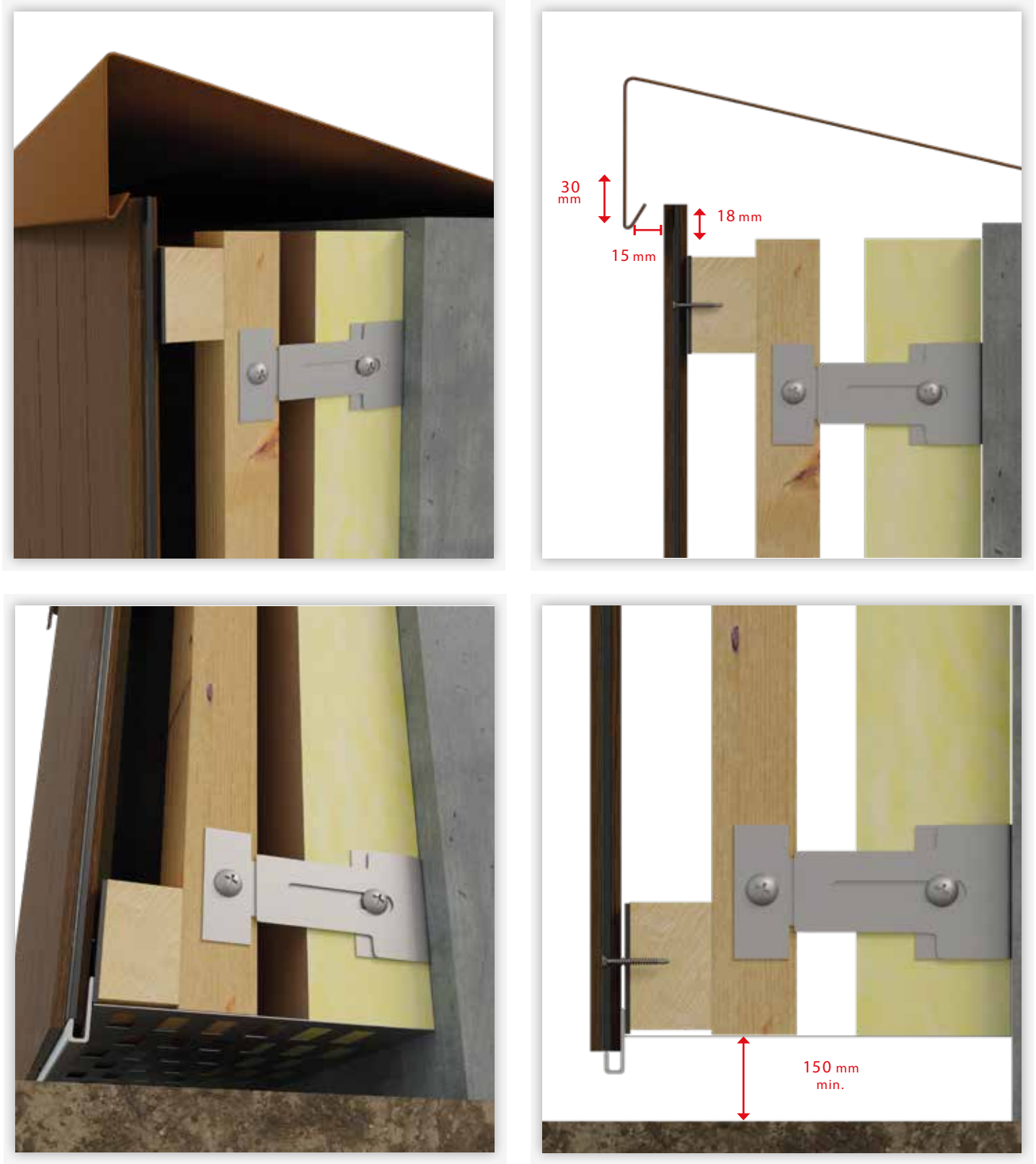
5 - VERTICAL INSTALLATION ON ALL SUPPORTS

5.1 - GENERAL VIEW



5 - VERTICAL INSTALLATION ON ALL SUPPORTS

5.2 - BOTTOM OF THE WALL AND TOP

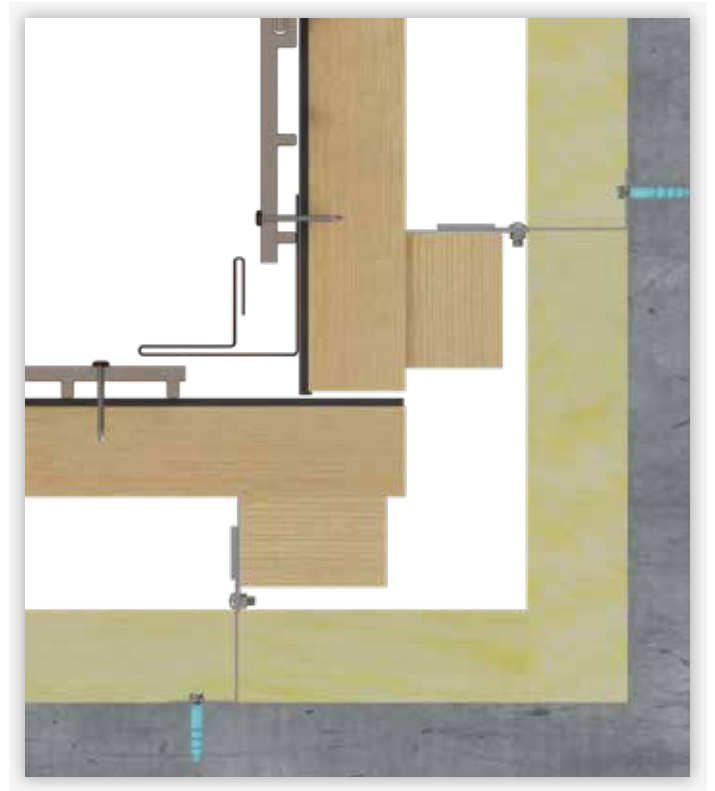


5 - VERTICAL INSTALLATION ON ALL SUPPORTS

5.3 - EXTERNAL CORNER



5.4 - INTERNAL CORNER



5 - POSE VERTICALE SUR TOUS SUPPORTS

5.5 INSTALLATION





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