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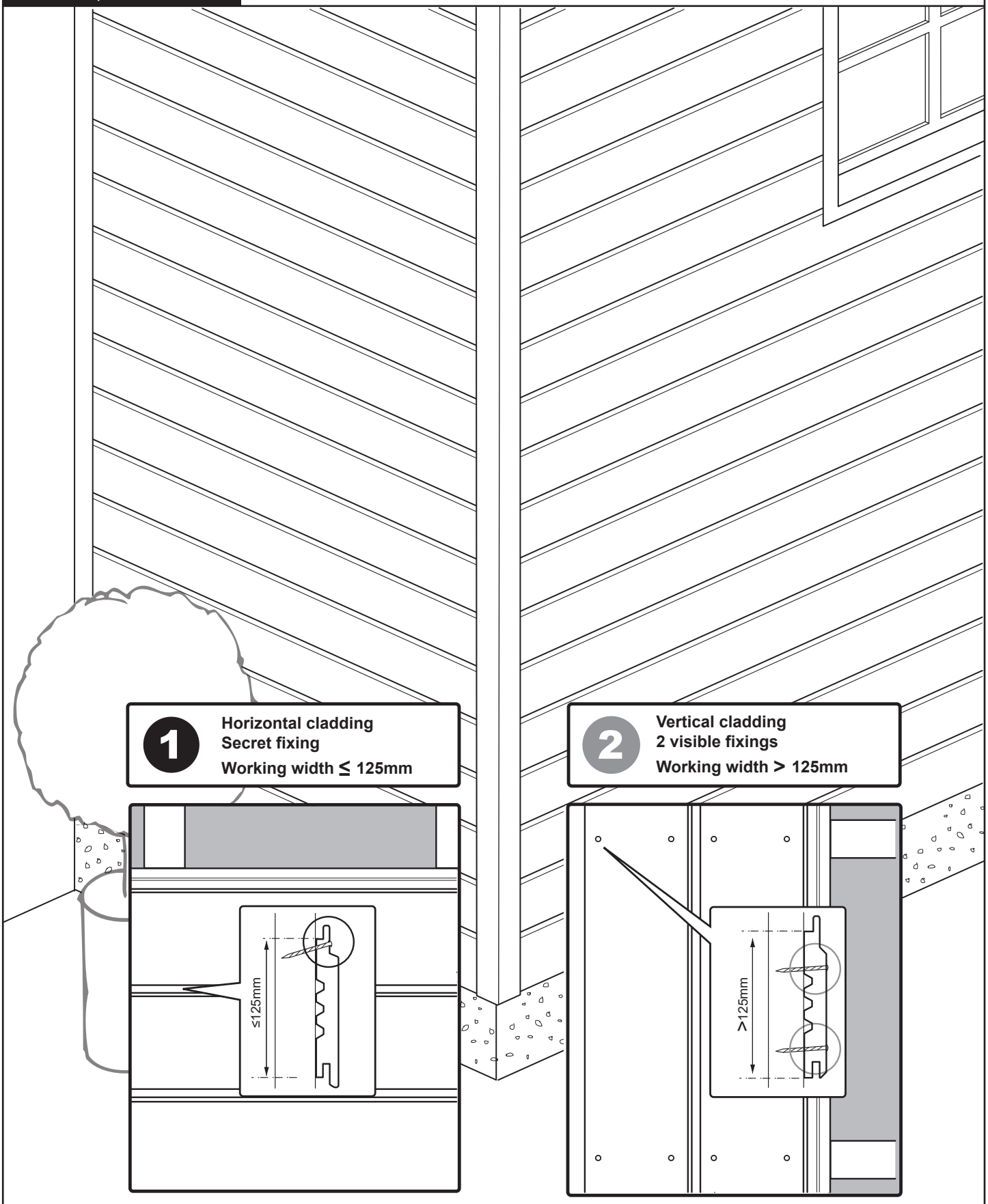
WOOD CLADDING INSTALLATION ADVICE
SLOTTED TONGUE/GROOVE PROFILE

The installation of exterior wood coverings must comply with regulations (In France: DTU 41.2)



WOOD CLADDING INSTALLATION ADVICE

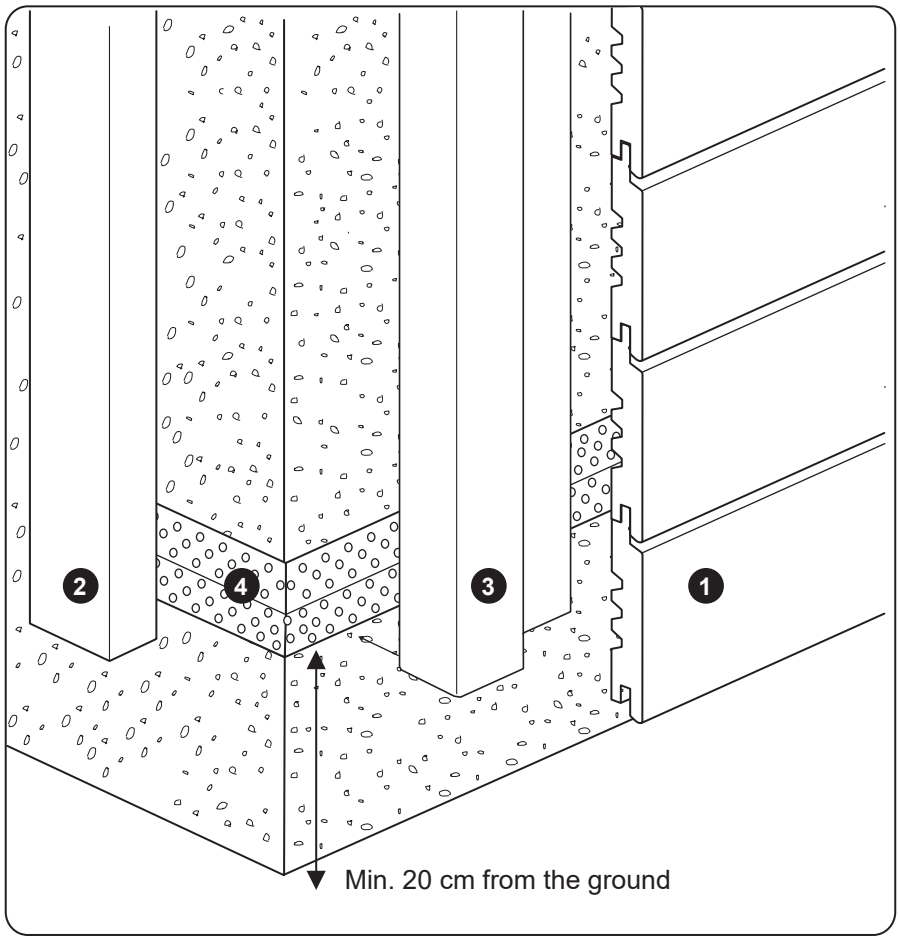
INTRODUCTION

This document is a simplified installation guide based on an example of a wood species and section of cladding.
This document cannot be considered a substitute for **DTU 41.2** which remains the only official document to present the proper installation of wood cladding in France.

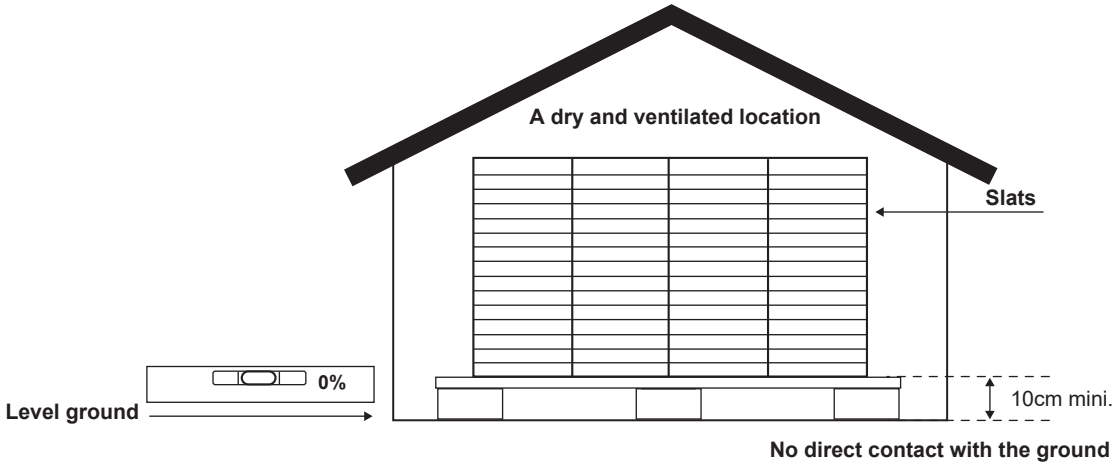
DTU 41.2 is directly available from: www.boutique.afnor.org
Following the DTU rules guarantees quality installation.

Wood cladding is composed of:

1. Cladding slats
2. Battens
3. Corner profiles
4. Rodent grates



Store the cladding slats and battens in a location sheltered from the elements



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WOOD CLADDING INSTALLATION ADVICE

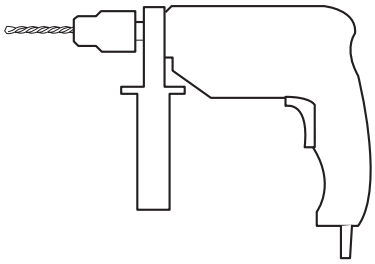
CONTENTS

WOOD CLADDING INSTALLATION ADVICE

RECOMMENDED TOOLS AND ACCESSORIES

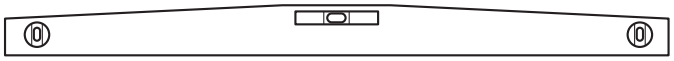
Tools

Drill

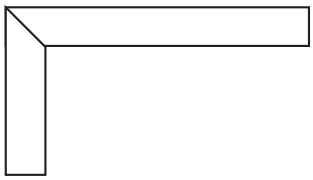


Concrete drill bit

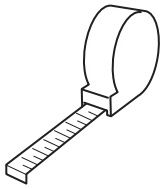
Level



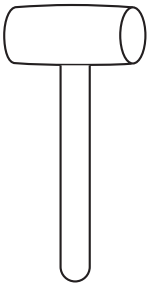
Square



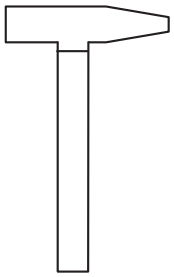
Tape measure



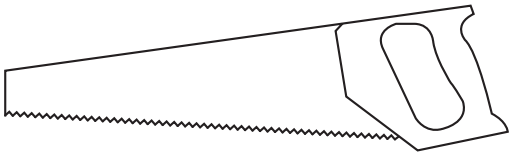
Rubber mallet



Hammer



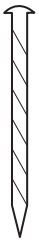
Saw



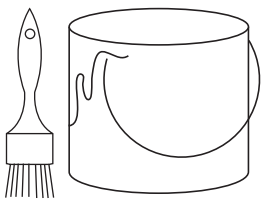
Accessories

Stainless steel hammer drive anchors

Stainless steel Round headed ring shank nails



Cut treatment



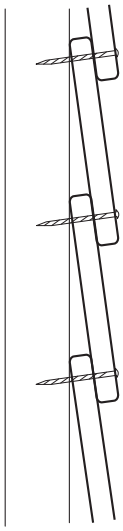
Rodent grates

WOOD CLADDING INSTALLATION ADVICE

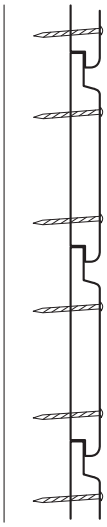
BASIC PRINCIPLE

INSTALLATION TYPE

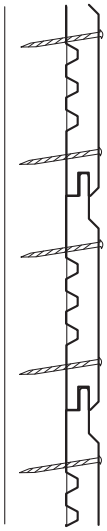
HORIZONTAL OVERLAPPING COVERING



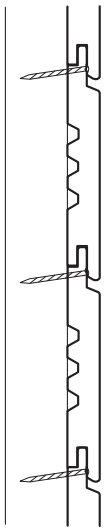
BASIC COVERING



SLOTTED WITH 2 VISIBLE FIXINGS
Working width > 125mm



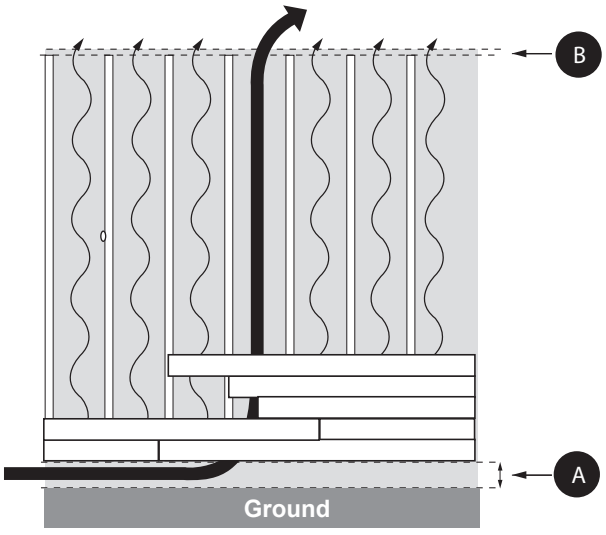
SLOTTED WITH SECRET FIXINGS
Working width ≤ 125mm

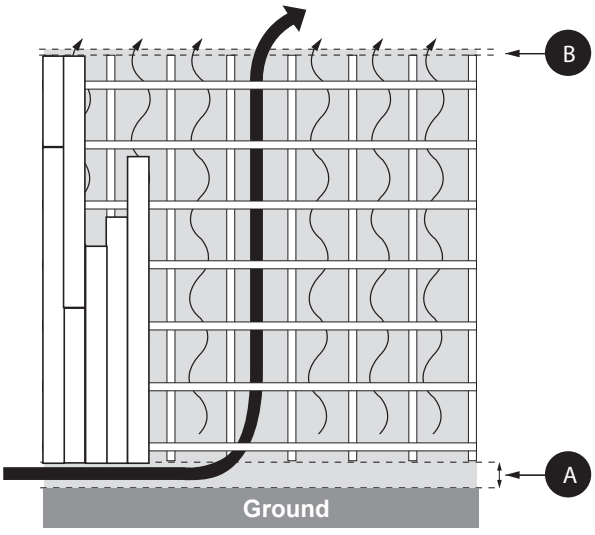


Avoid water traps and encourage natural run-off (see DTU 41.2 in France)

PROVIDE EFFECTIVE AND EFFICIENT VENTILATION (see DTU 41.2 in France)

Create an air gap between the support (masonry wall or timber frame) and the back of the wooden slats





A **Lower ventilation zone 20cm min.**

B **Upper ventilation zone 5cm min.**

The choice of spacing determines the maximum batten cross section used.
Humidity conditions can have an effect on cladding installation (see DTU 41.2 in France)

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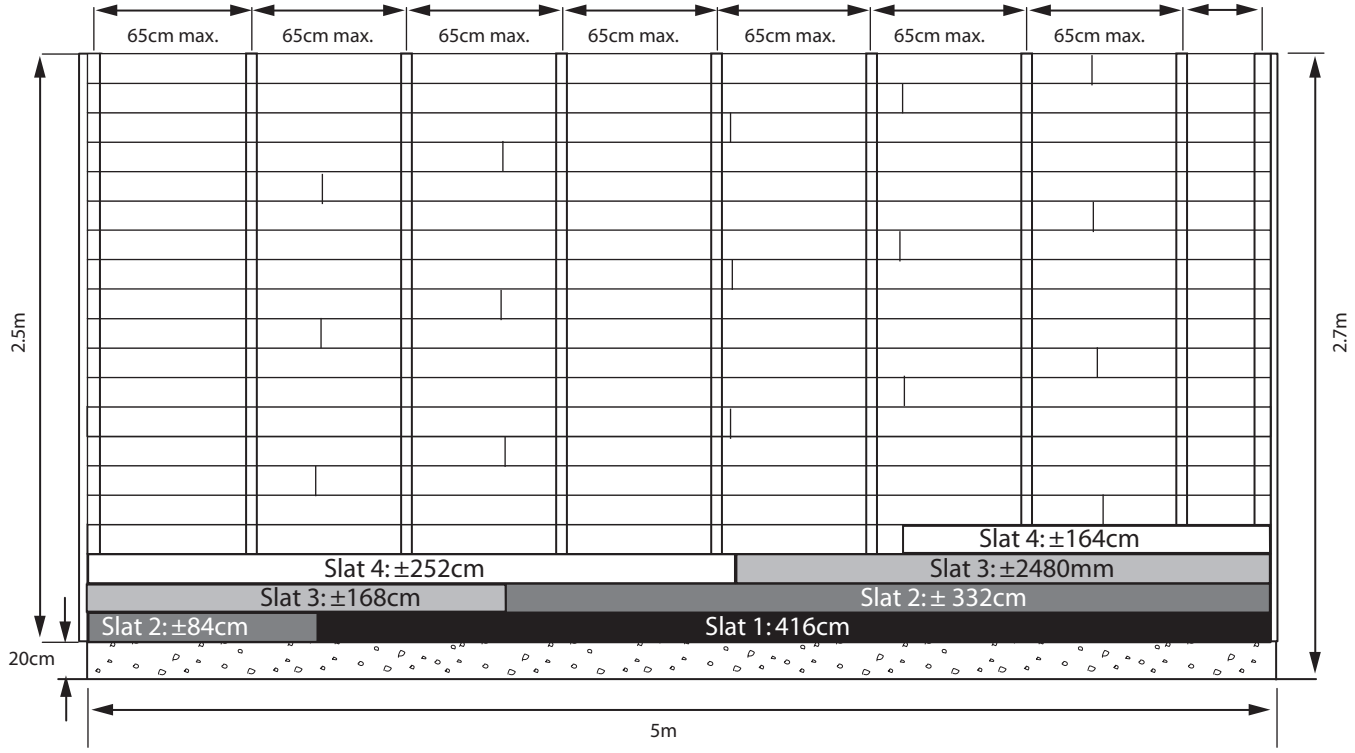
WOOD CLADDING INSTALLATION ADVICE

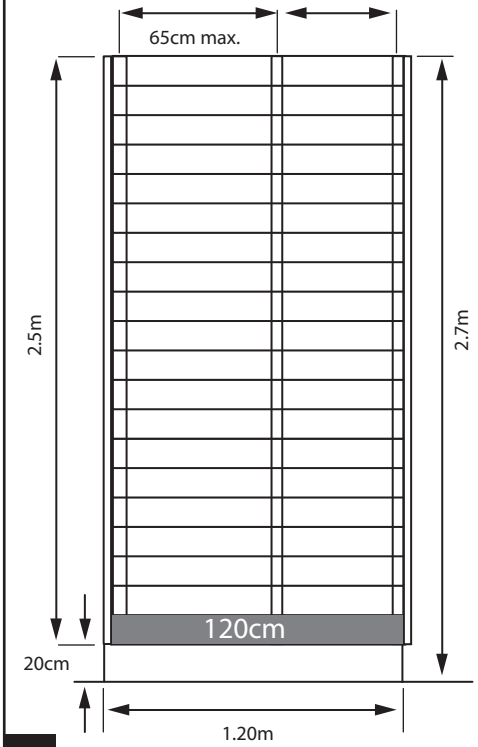
LAYOUT

Installation on a concrete wall previously treated against damp with installation of rodent grates.
The installation of a rain barrier is recommended on untreated walls.
Rain barriers are mandatory on timber frame walls. (see DTU 41.2 in France).

Cladding surface: Width: 5m - Height: 2.5m



Return 1.2m x 2.5m



1. Measure the surface to be cladded (leave 20cm free)
2. Make an accurate diagram
3. Calculate the required quantity of materials*

Battens: 27x45x4000mm

INCA slats: 20x125x4160mm (Illustration example)

CLINEXEL angle profile: 48x90x3600mm

Hammer drive anchors

Ring shank nails

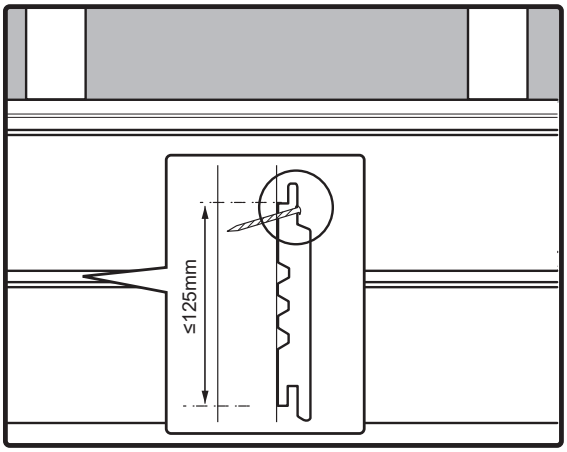
*** Adapt the material quantity calculation to the cladding direction (vertical or horizontal) and the cladding type (slat type, secret or visible fixings)**

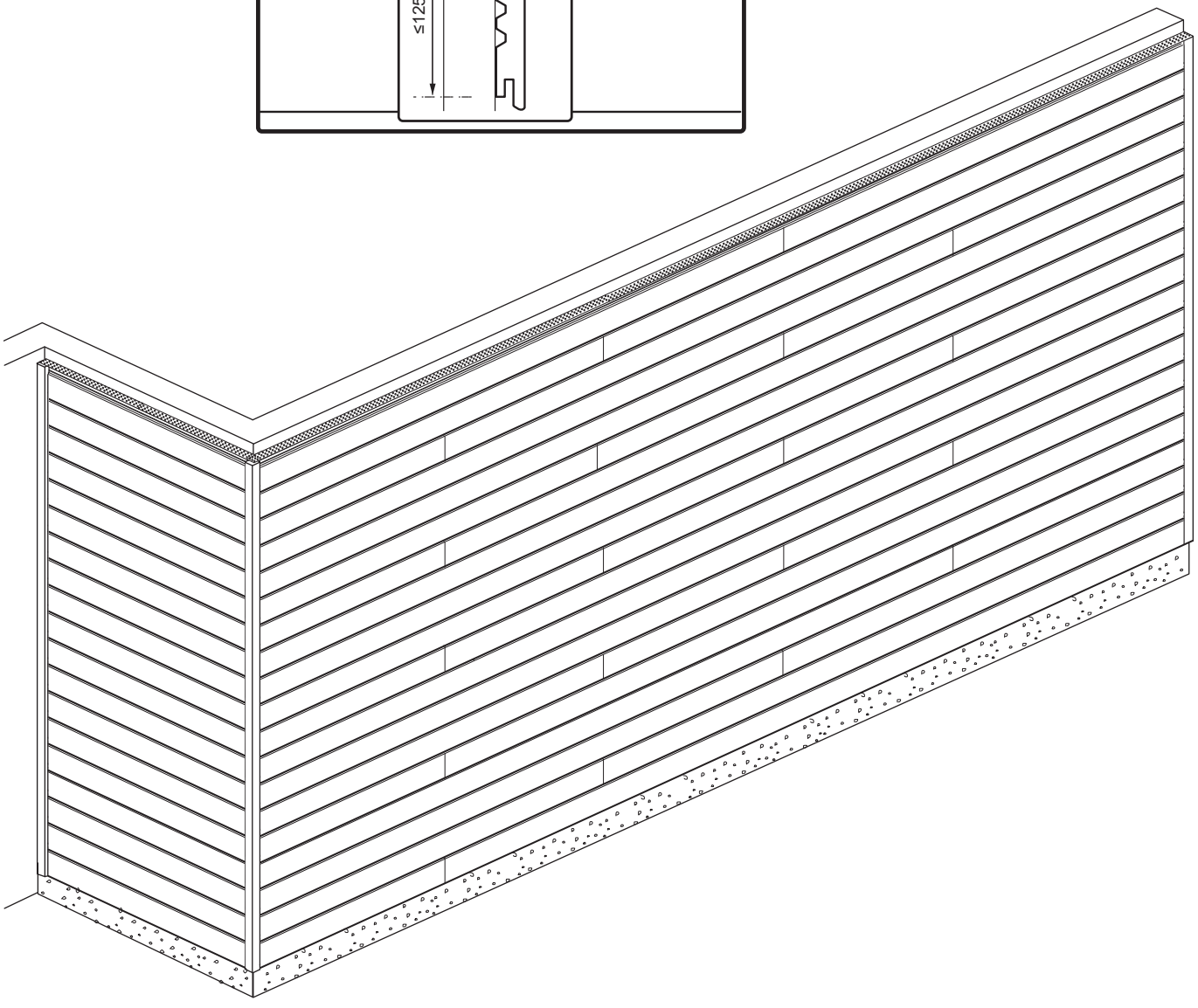
Create a free space of at least 20cm

1

SECRET FIXING

Working width ≤ 125mm





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WOOD CLADDING INSTALLATION ADVICE

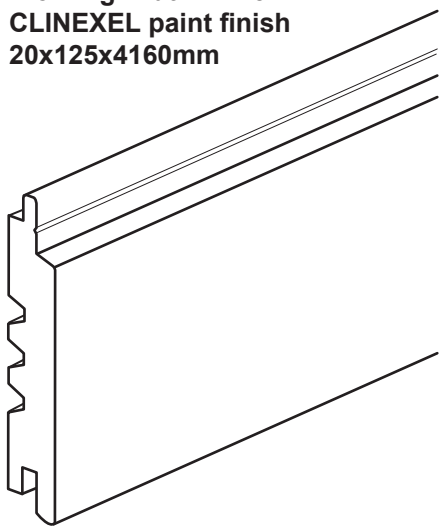
OPTION 1 HORIZONTAL CLADDING / SECRET FIXING

For the illustrated installation guide, use:

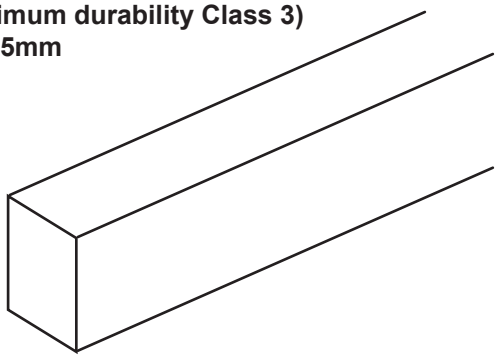
Cladding composed of INCA profile slats, cross section 20x125x160mm
with secret fixings on 27x45mm battens

Cuts must be systematically retreated using the treatment products and finishes recommended by Protac. Failure to do so voids all guarantees.

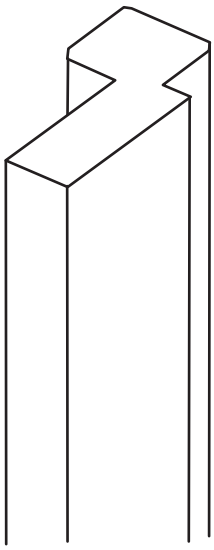
INCA cladding slats
Working width ≤ 125mm
CLINEXEL paint finish
20x125x4160mm



Battens
(Minimum durability Class 3)
27x45mm



CLINEXEL angle profile
48x90x3600mm



Stainless steel
Round headed ring shank nails

Depending on the installation, the cladding slat cross section may have an effect on the suitable batten cross section.
The choice of spacing determines the maximum batten cross section used.
Humidity conditions can have an effect on cladding installation (see DTU 41.2 in France)

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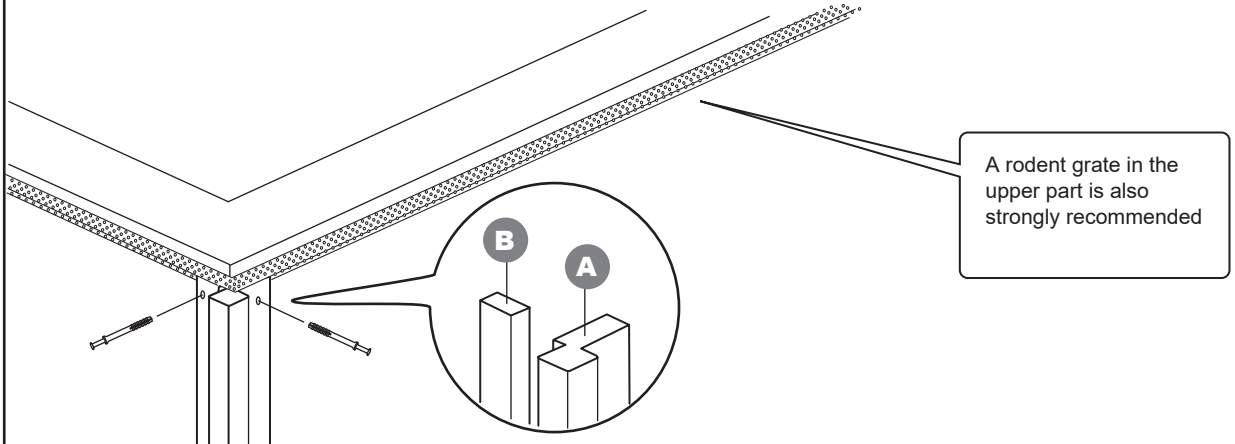
WOOD CLADDING INSTALLATION ADVICE

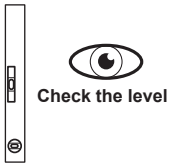
OPTION 1 HORIZONTAL CLADDING / SECRET FIXING

Horizontal cladding with secret fixing for a working width ≤ 125 mm

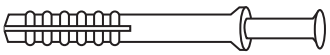
1 CORNER PROFILE FIXING A AND SUPPLEMENTARY ANGLE BATTEN B



A rodent grate in the upper part is also strongly recommended



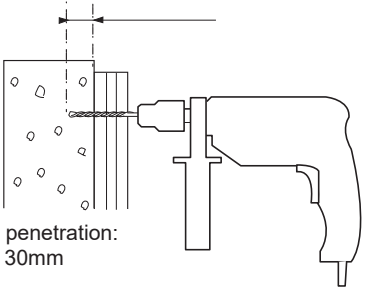
Check the level



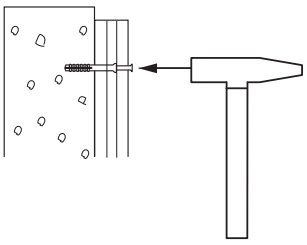
Hammer drive anchor

1 Pre-drill

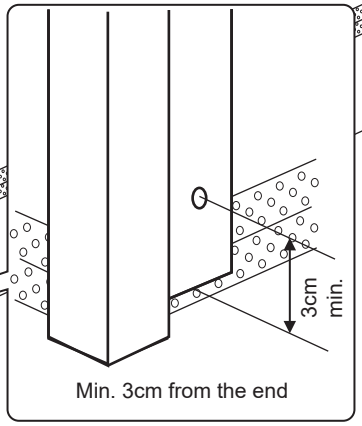
2 Hammer drive



Wall penetration:
min. 30mm



A minimum of 3 anchors should be used regardless of the batten length



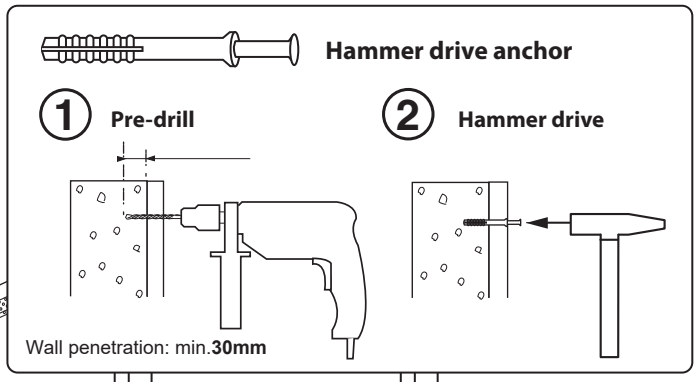
Min. 3cm from the end

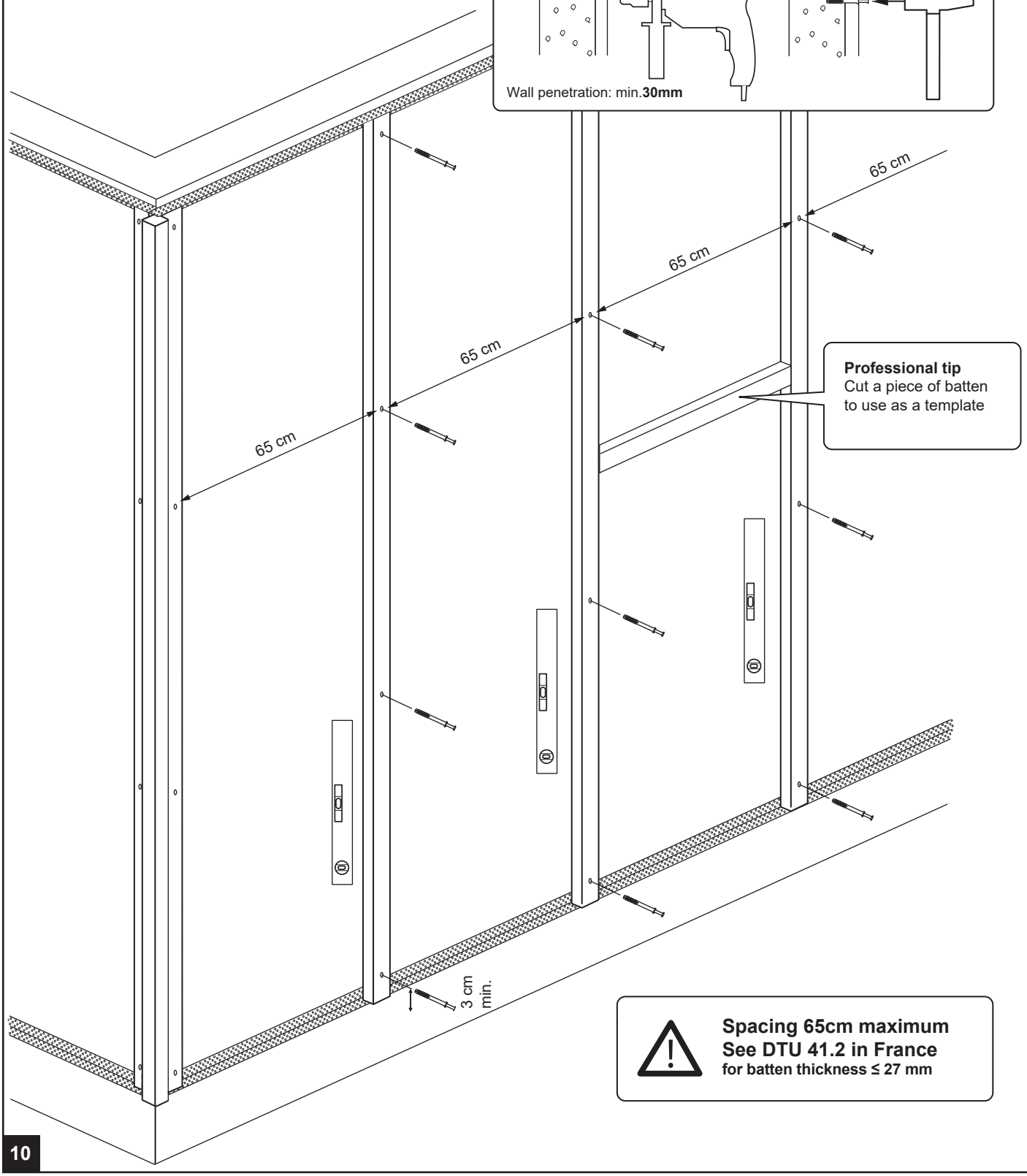
Min. 20cm from the ground

WOOD CLADDING INSTALLATION ADVICE

OPTION 1 HORIZONTAL CLADDING / SECRET FIXING

2 27X45 mm BATTEN FIXING





Professional tip
Cut a piece of batten to use as a template

Spacing 65cm maximum
See DTU 41.2 in France
for batten thickness ≤ 27 mm

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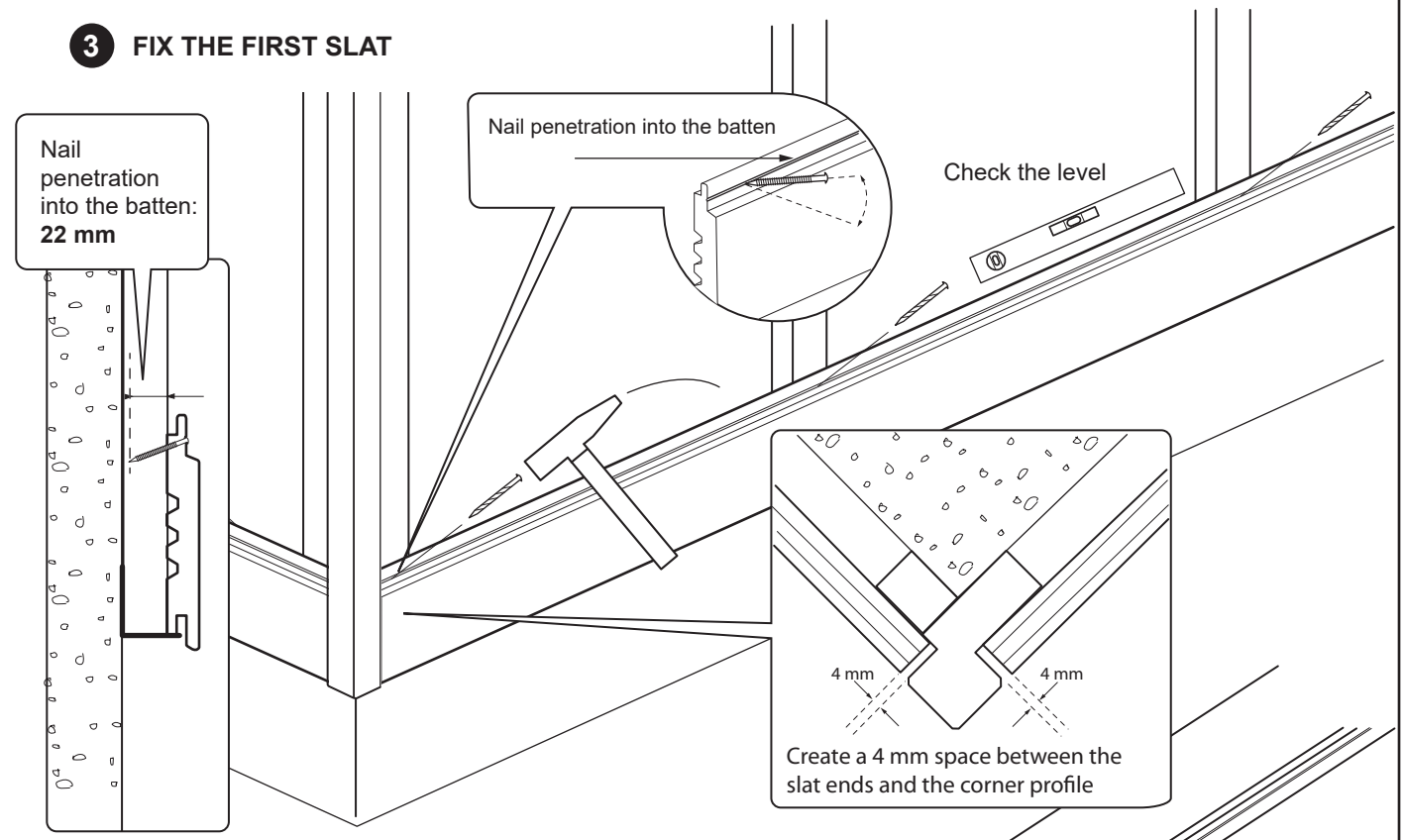
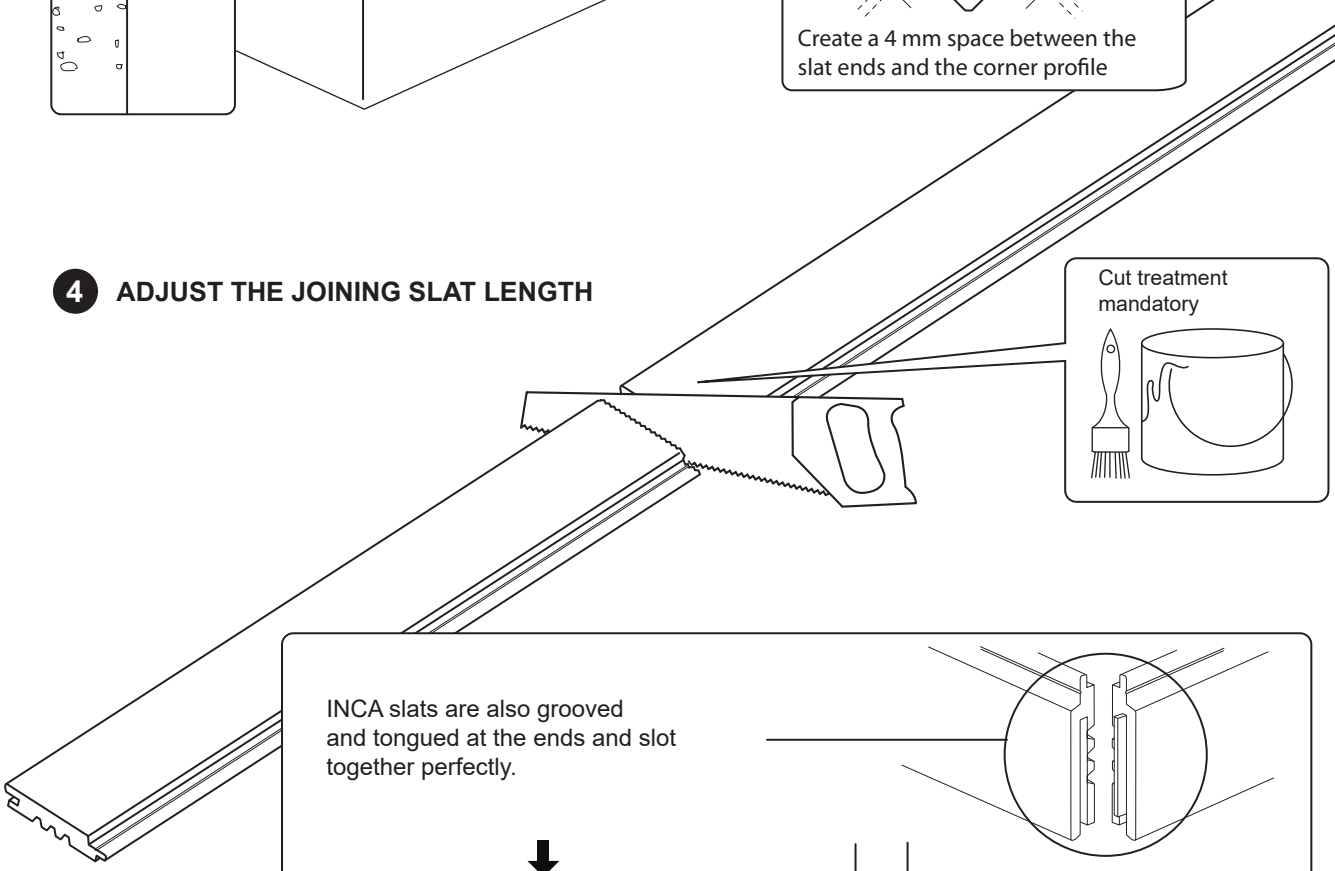
WOOD CLADDING INSTALLATION ADVICE

OPTION 1 HORIZONTAL CLADDING / SECRET FIXING

3 FIX THE FIRST SLAT



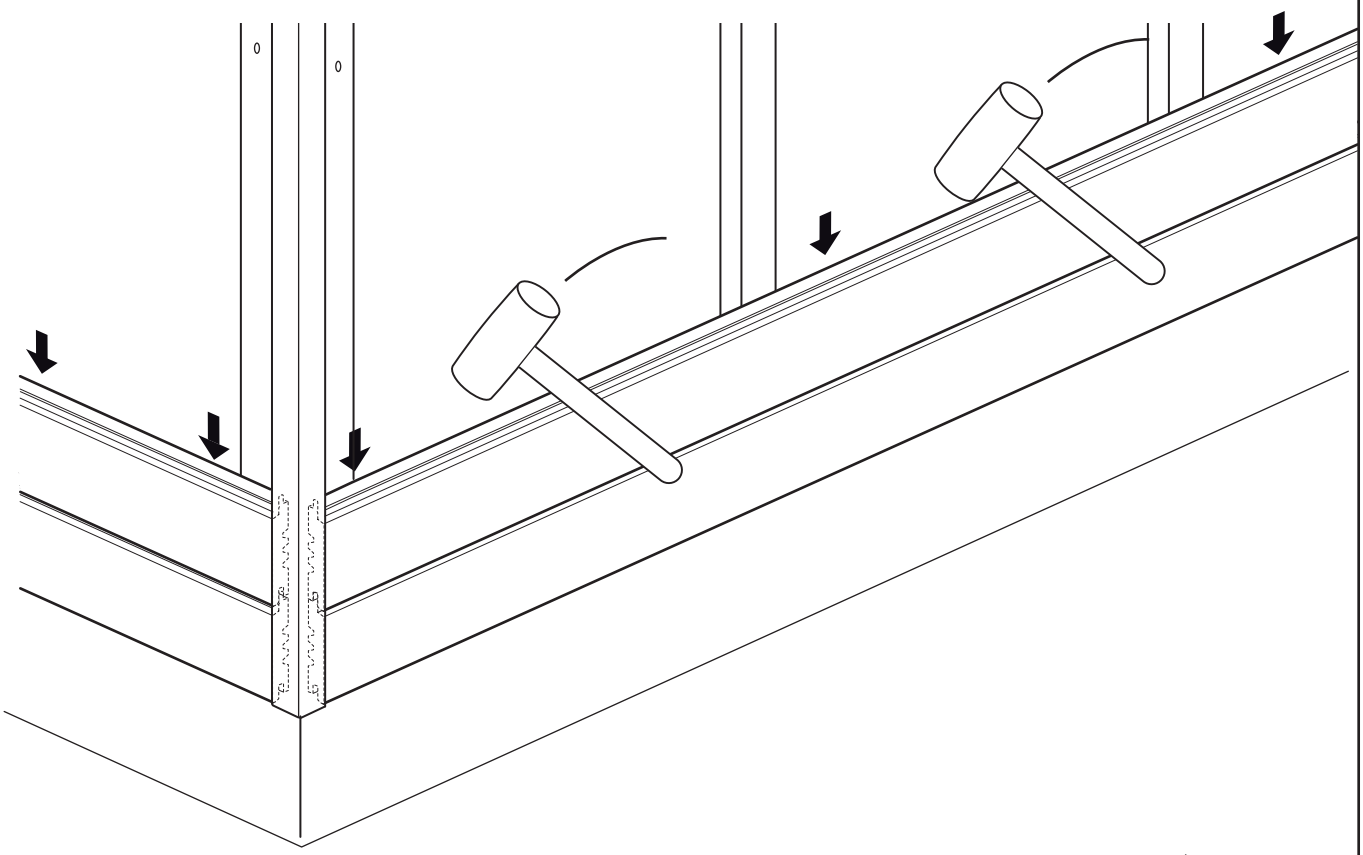
4 ADJUST THE JOINING SLAT LENGTH



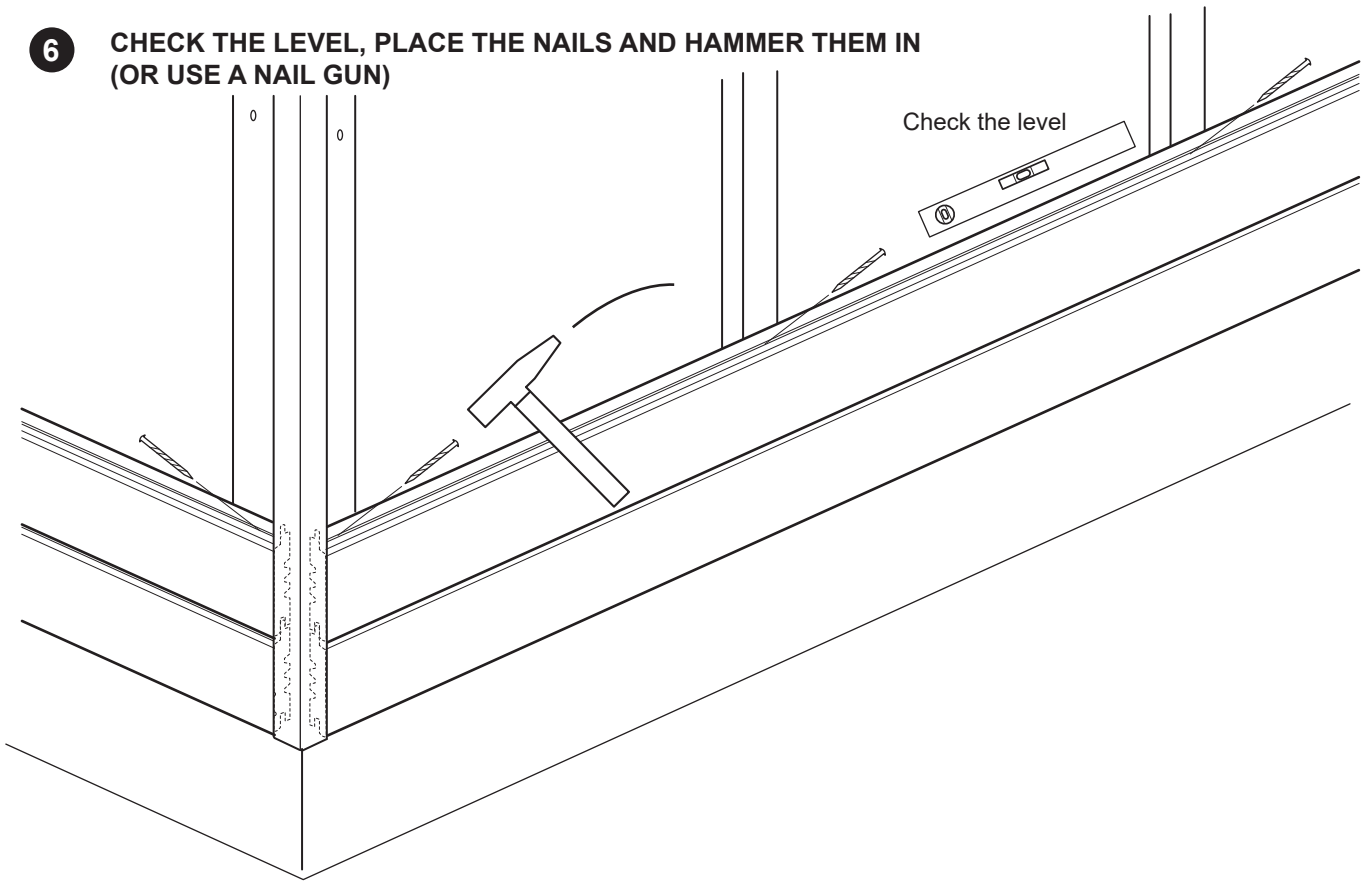
WOOD CLADDING INSTALLATION ADVICE

OPTION 1 HORIZONTAL CLADDING / SECRET FIXING

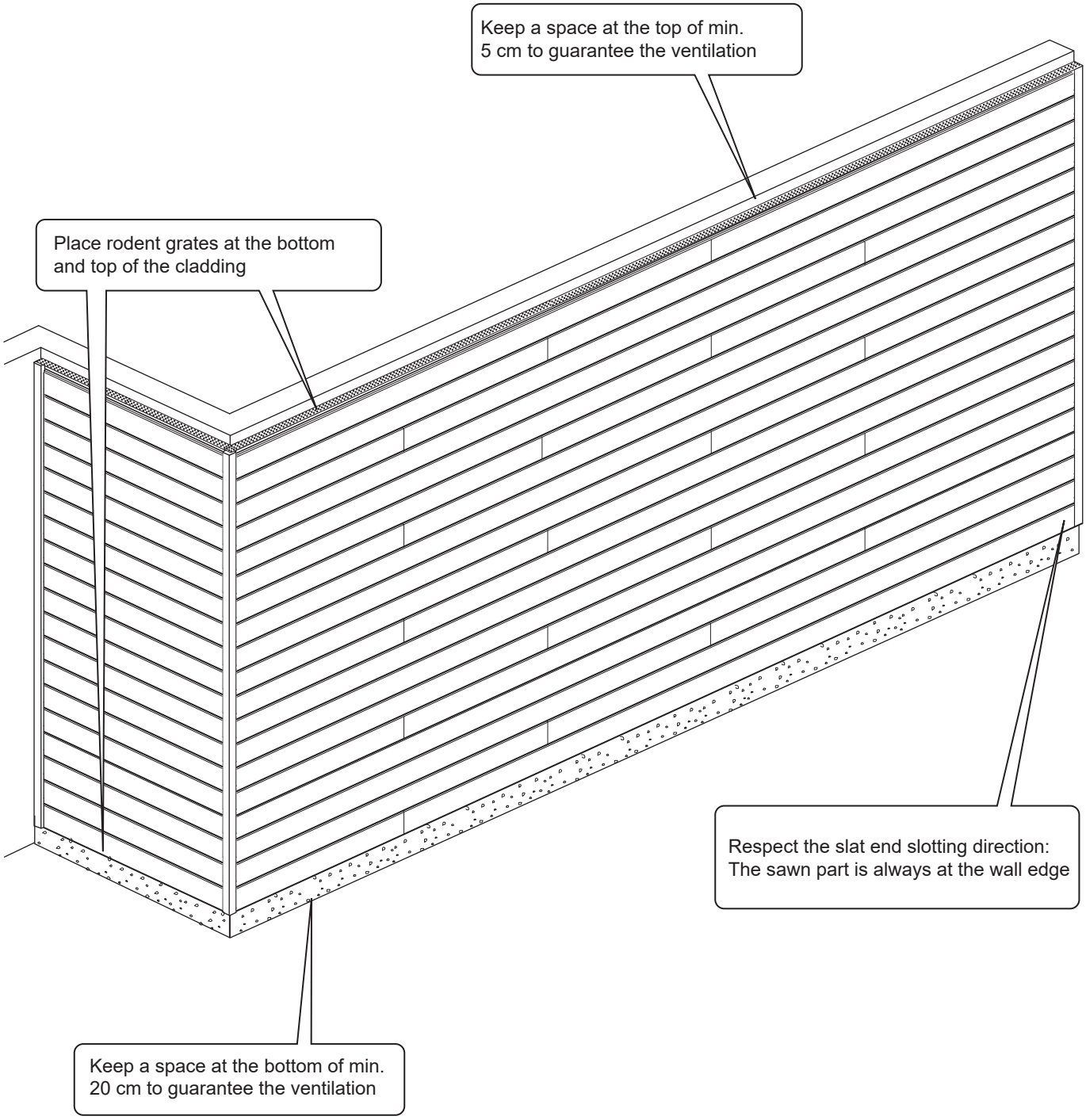
5 **SLOT IN THE NEXT ROW OF SLATS**



6 **CHECK THE LEVEL, PLACE THE NAILS AND HAMMER THEM IN (OR USE A NAIL GUN)**



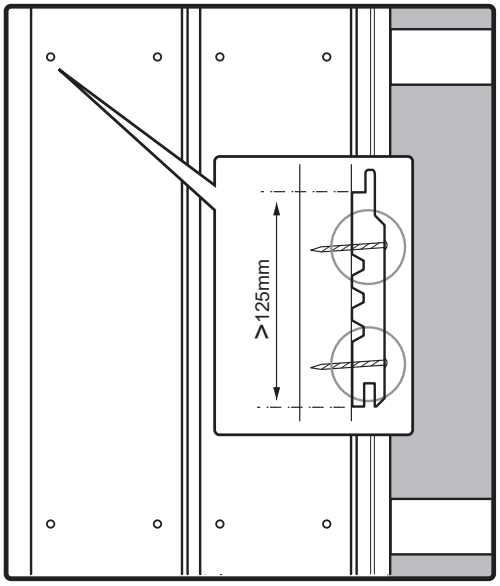
7 REPEAT THE OPERATION UNTIL THE COVERING IS COMPLETE

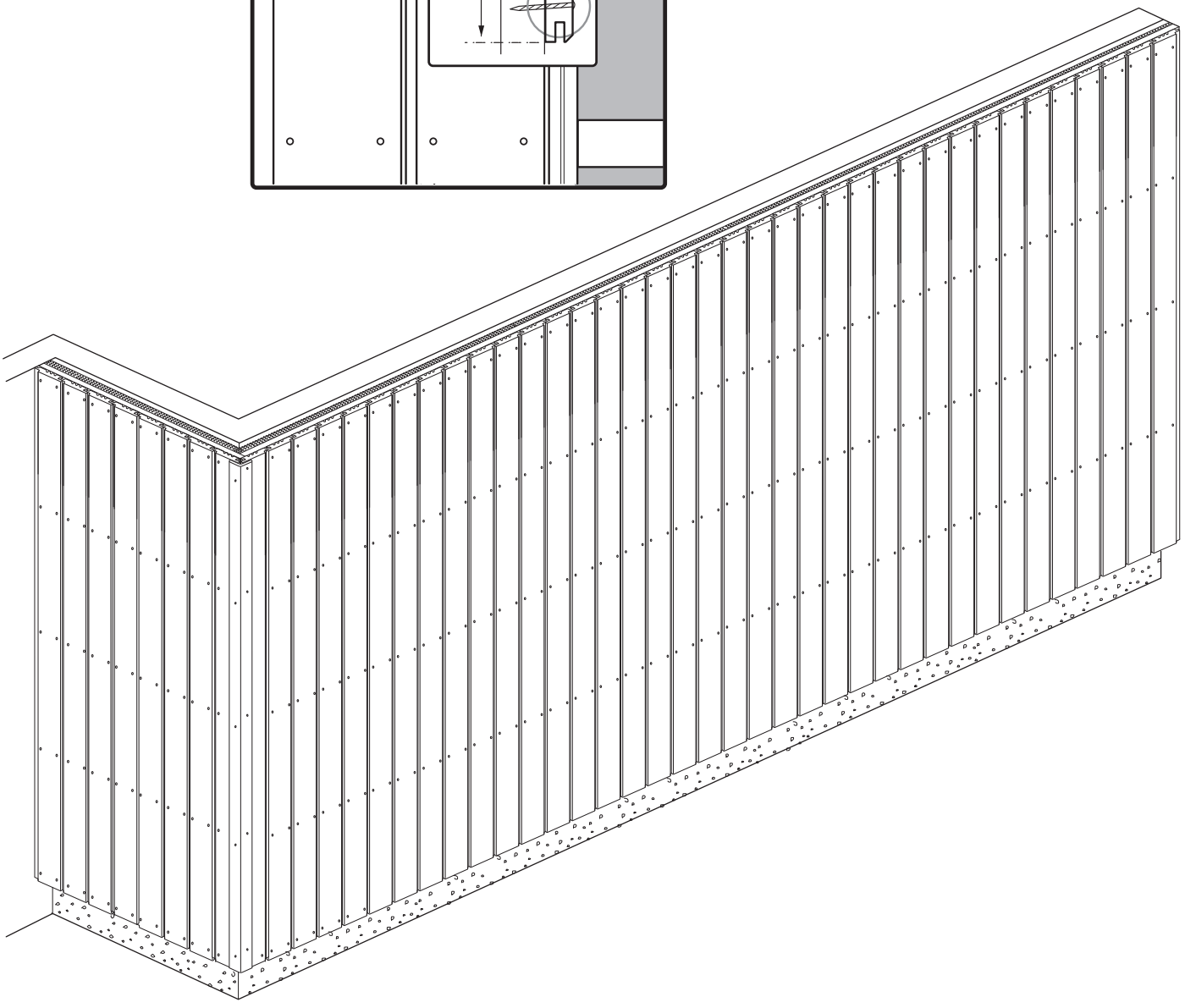


2

2 VISIBLE FIXINGS

Working width > 125 mm





The installation of exterior wood coverings must comply with regulations (In France: DTU 41.2)

WOOD CLADDING INSTALLATION ADVICE

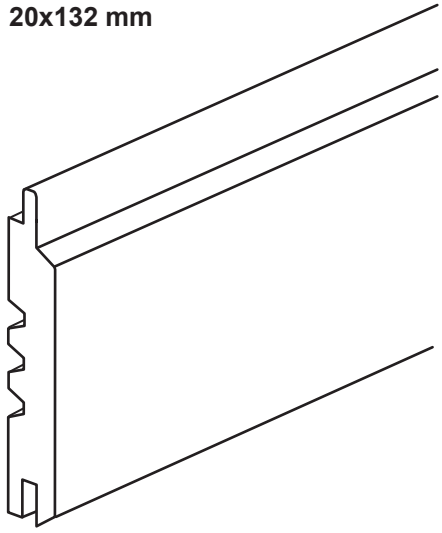
OPTION 2 VERTICAL CLADDING / 2 VISIBLE FIXINGS

For the illustrated installation guide, use:

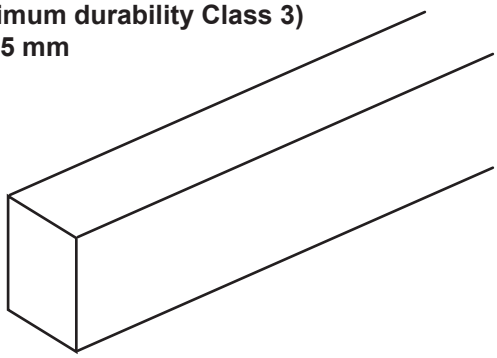
Cladding composed of ST LOUIS 20x132mm profile slats with 2 visible fixings on 27x45 mm battens

Cuts must be systematically retreated using the treatment products and finishes recommended by Protac. Failure to do so voids all guarantees.

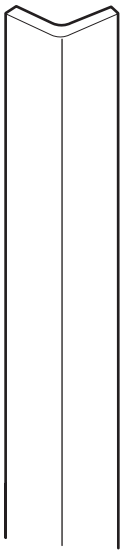
ST LOUIS cladding slats
Working width > 125 mm
20x132 mm



Battens
(Minimum durability Class 3)
27x45 mm



Corner
45x45x3000 mm



Stainless steel
Round headed ring shank nails

Depending on the installation, the cladding slat cross section may have an effect on the suitable batten cross section.
The choice of spacing determines the maximum batten cross section used.
Humidity conditions can have an effect on cladding installation (see DTU 41.2 in France)

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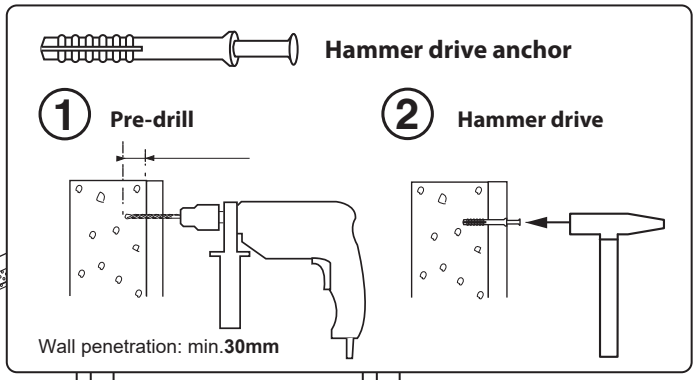
WOOD CLADDING INSTALLATION ADVICE

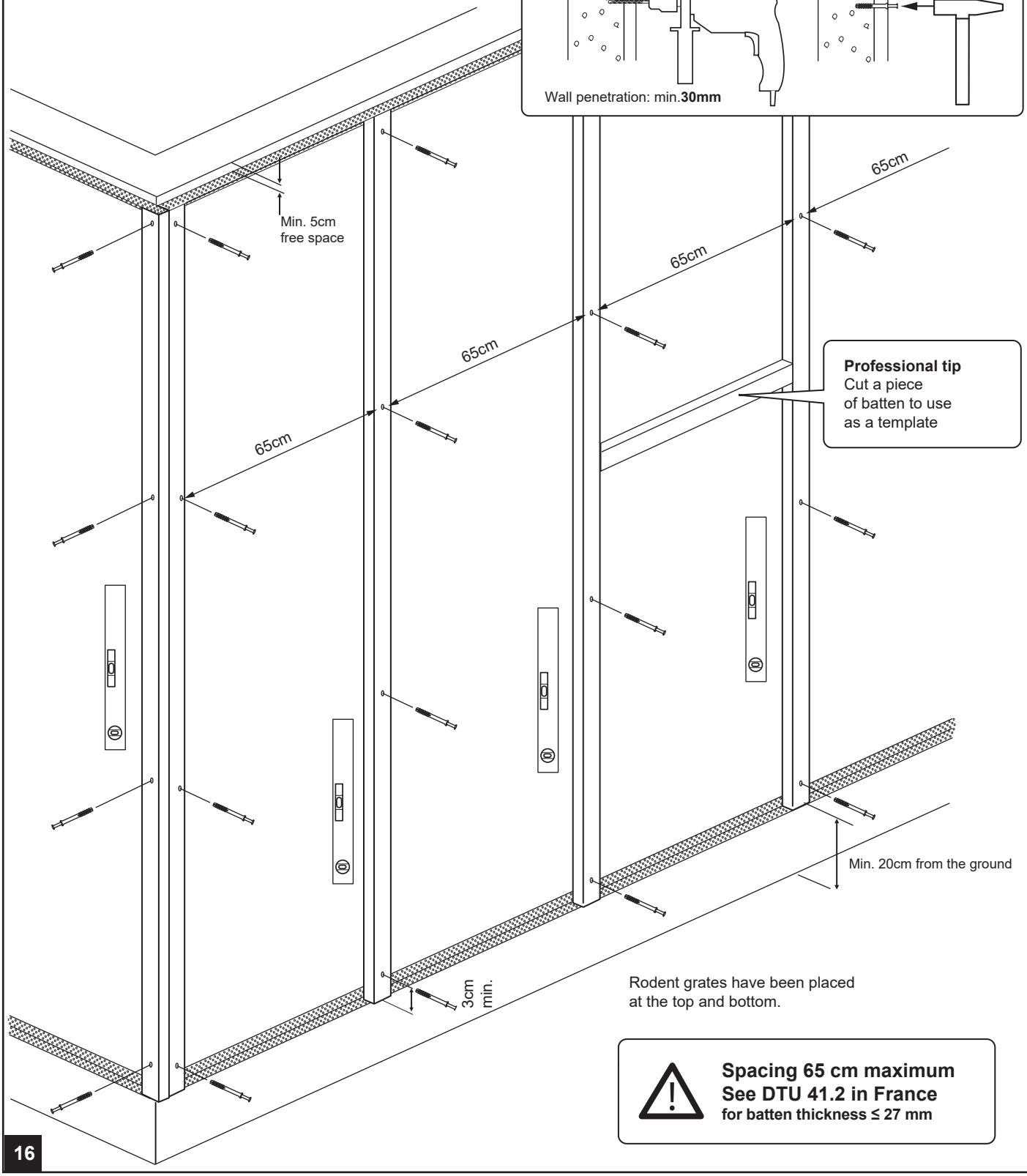
OPTION 2 VERTICAL CLADDING / 2 VISIBLE FIXINGS

Vertical cladding with visible fixing for a working width > 125mm

**FOR VERTICAL CLADDING,
USE DOUBLE BATTENS**

1 FIX THE VERTICAL BATTENS



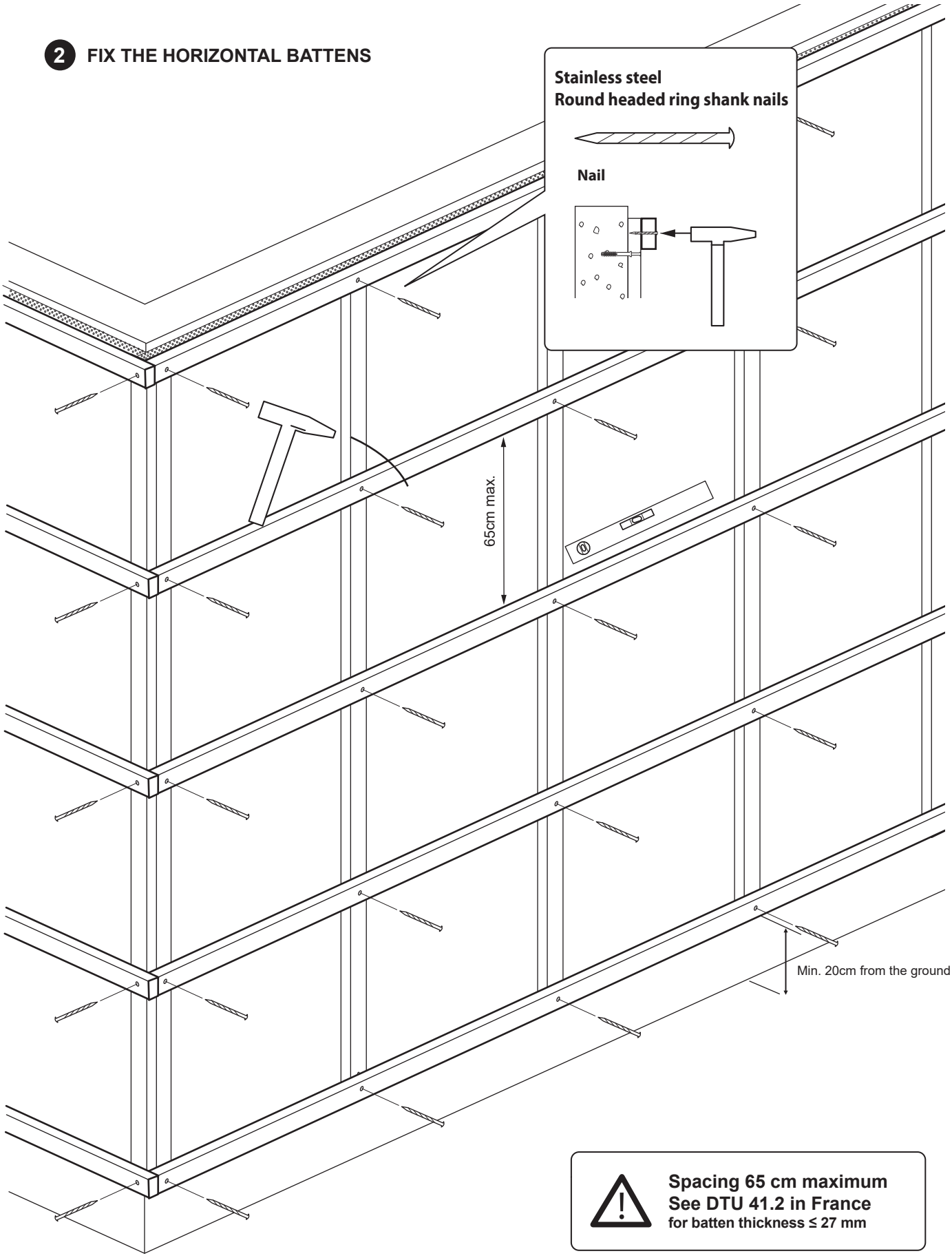


**Spacing 65 cm maximum
See DTU 41.2 in France
for batten thickness ≤ 27 mm**

WOOD CLADDING INSTALLATION ADVICE

OPTION 2 VERTICAL CLADDING / 2 VISIBLE FIXINGS

2 FIX THE HORIZONTAL BATTENS



Spacing 65 cm maximum
See DTU 41.2 in France
for batten thickness ≤ 27 mm

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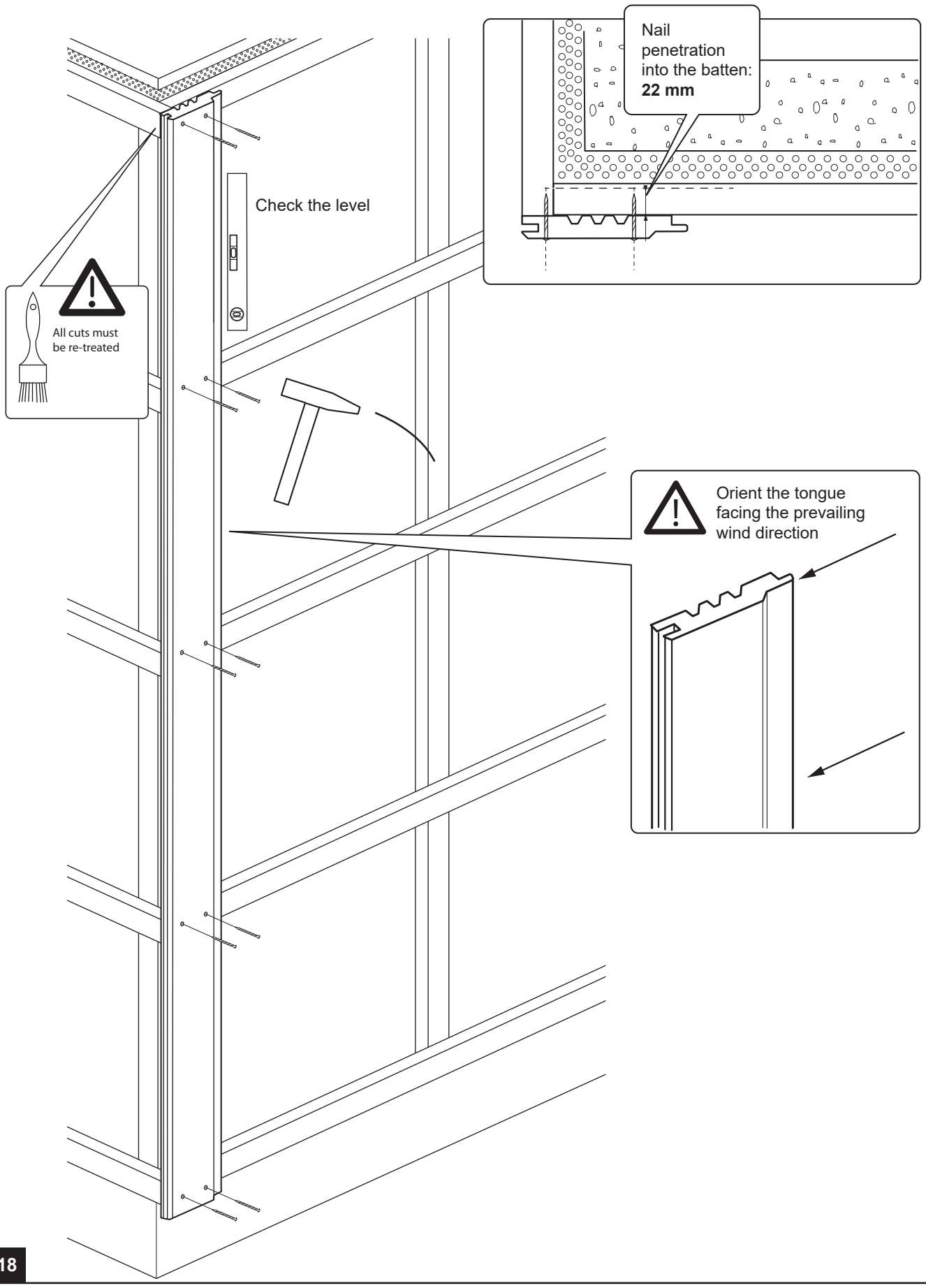
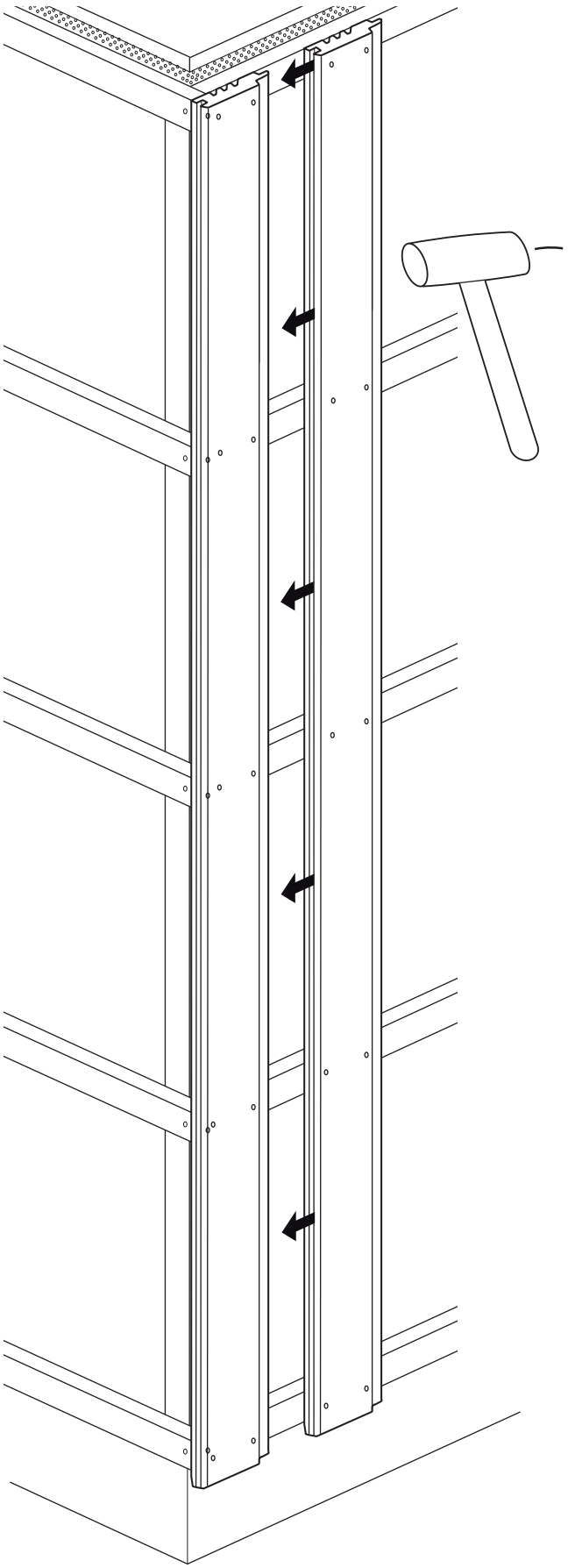
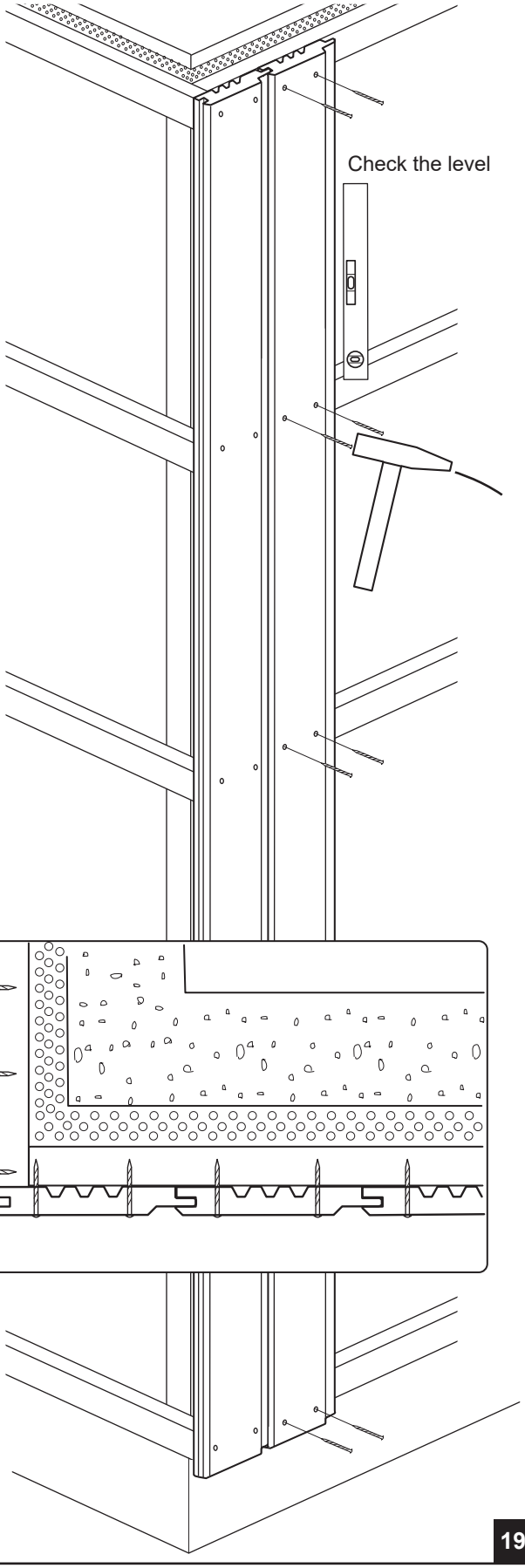
WOOD CLADDING INSTALLATION ADVICE

OPTION 2 VERTICAL CLADDING / 2 VISIBLE FIXINGS



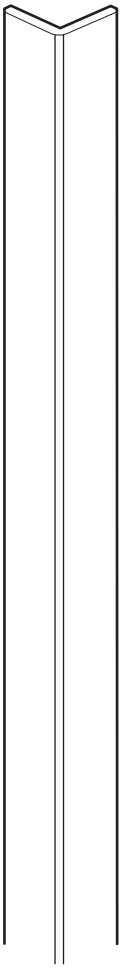
4 SLOT AND FIX THE NEXT SLATS

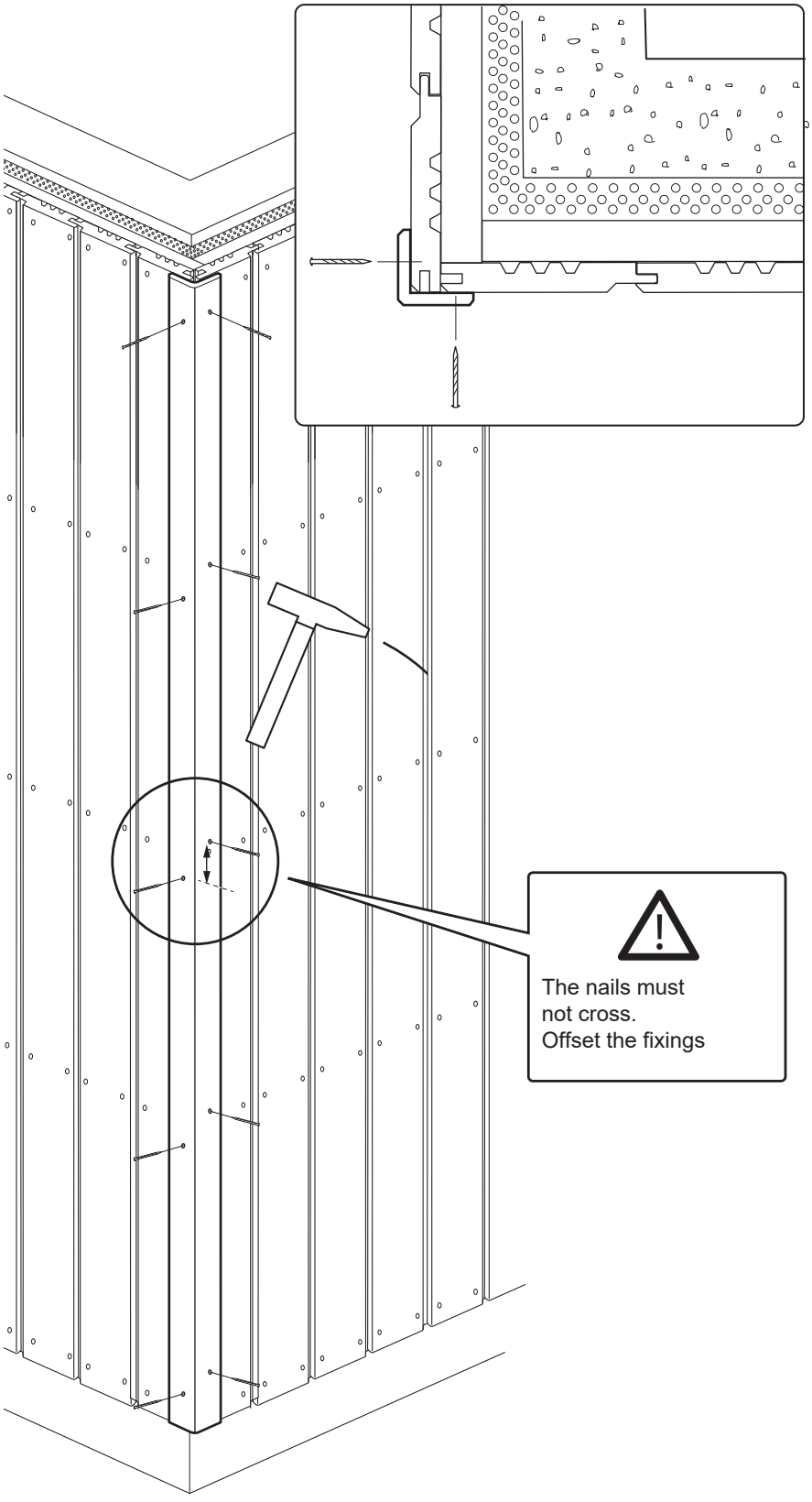




5 FIX THE FINISHING CORNER

Corner
45x45x3000 mm



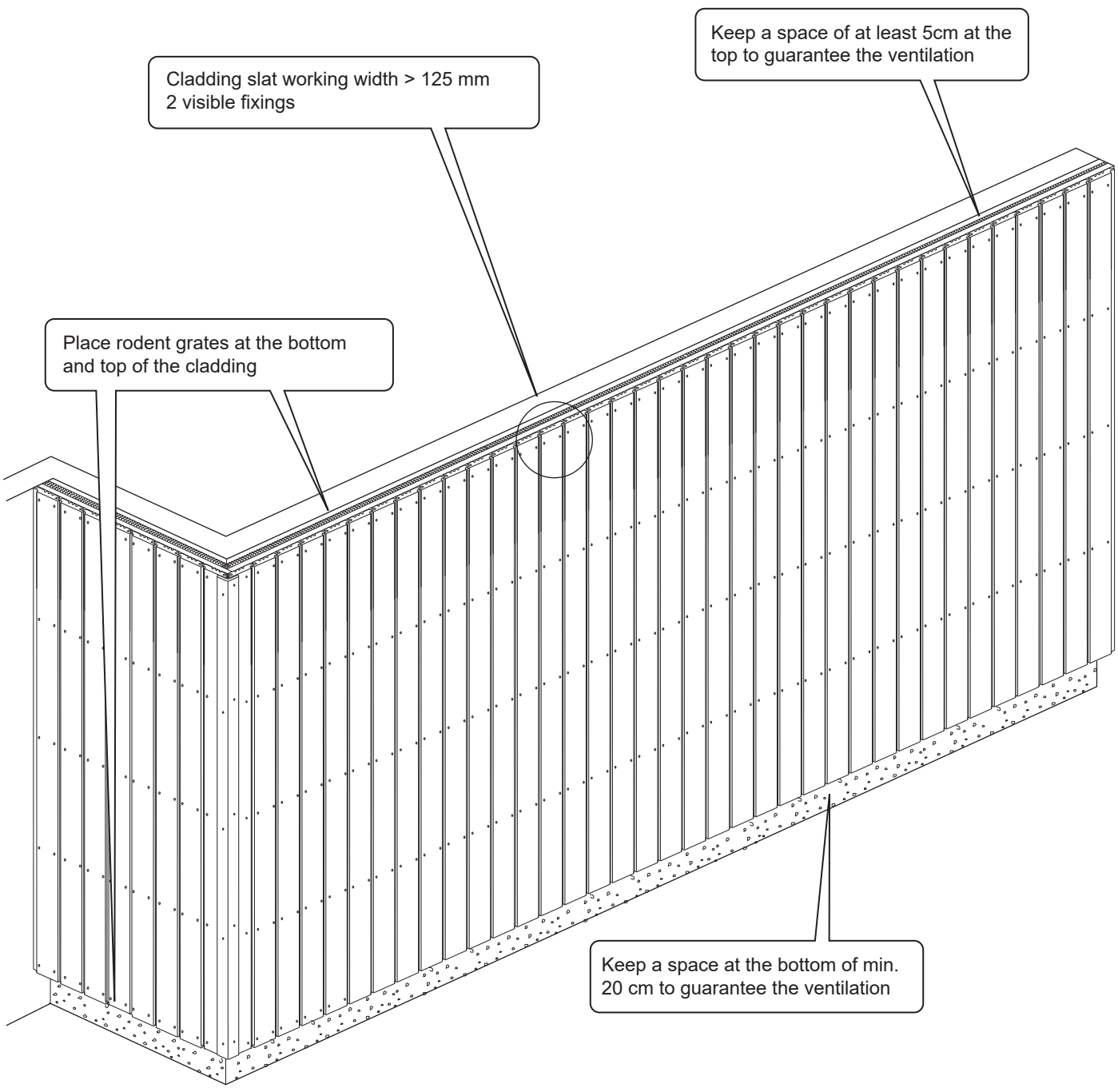


The nails must
not cross.
Offset the fixings

PROTAC
solutions bois pour un avenir durable

WOOD CLADDING INSTALLATION ADVICE

OPTION 2 VERTICAL CLADDING / 2 VISIBLE FIXINGS



PROTAC
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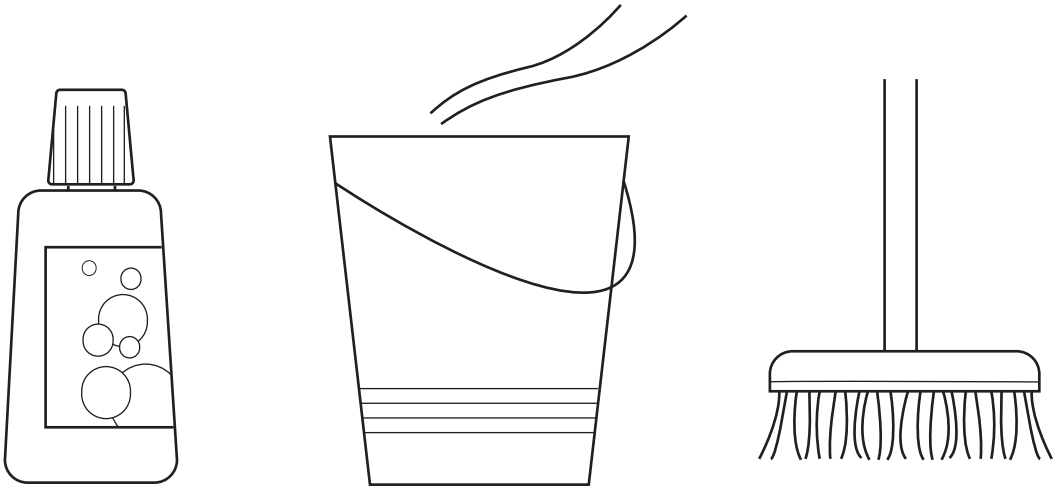
WOOD CLADDING INSTALLATION ADVICE

MAINTENANCE

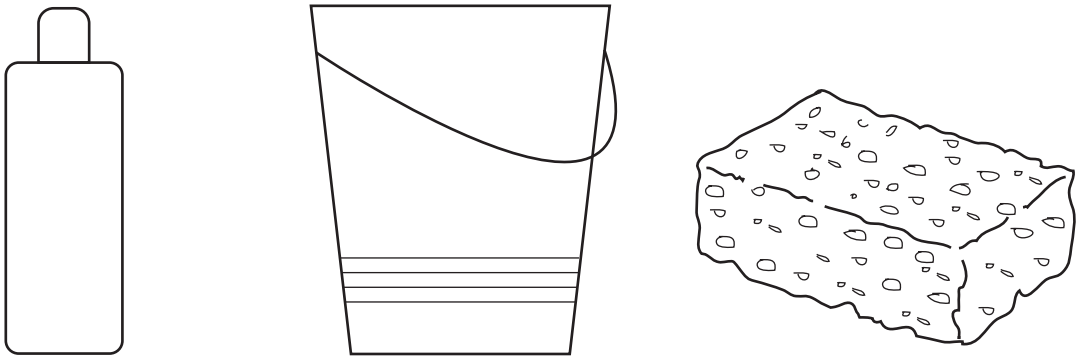
NORMAL CONDITIONS

Regularly clean the slats using a neutral detergent, hot water and a soft brush



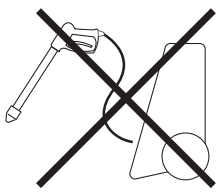
FOR MOSS OR STUBBORN STAINS

Apply a moss remover using a large non-abrasive sponge,
then rinse carefully using clean water



HIGH PRESSURE CLEANER

THE USE OF HIGH PRESSURE CLEANERS IS TO BE BANNED: VERY STRONGLY DISCOURAGED.



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