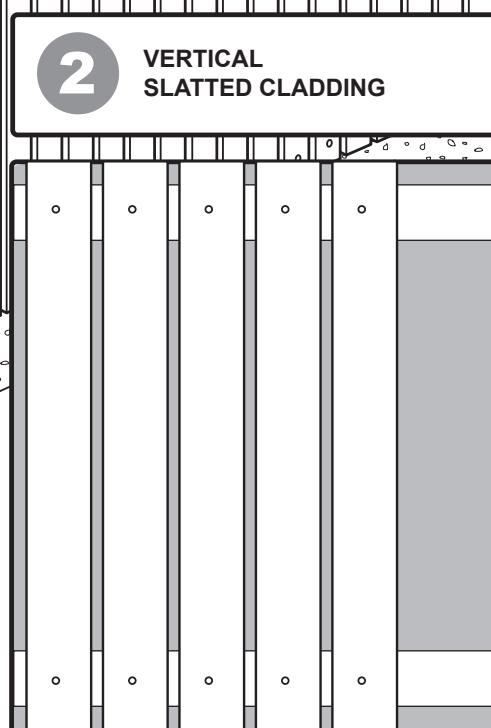
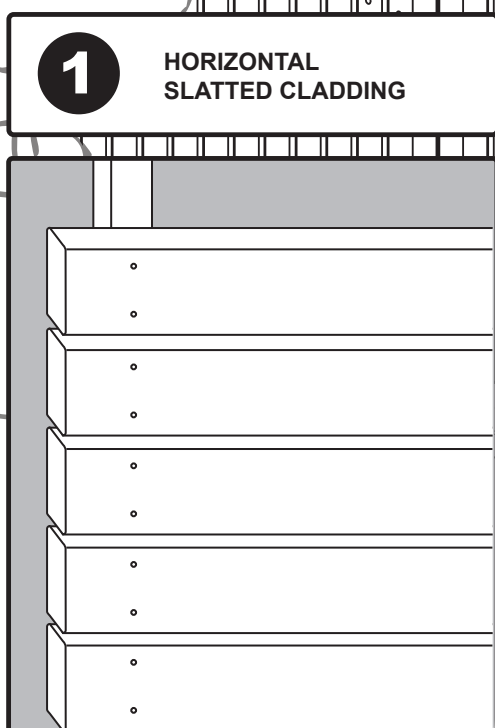


# WOOD CLADDING INSTALLATION ADVICE SLATTED

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



This document is a simplified installation guide based on an example of a wood species and section of cladding.

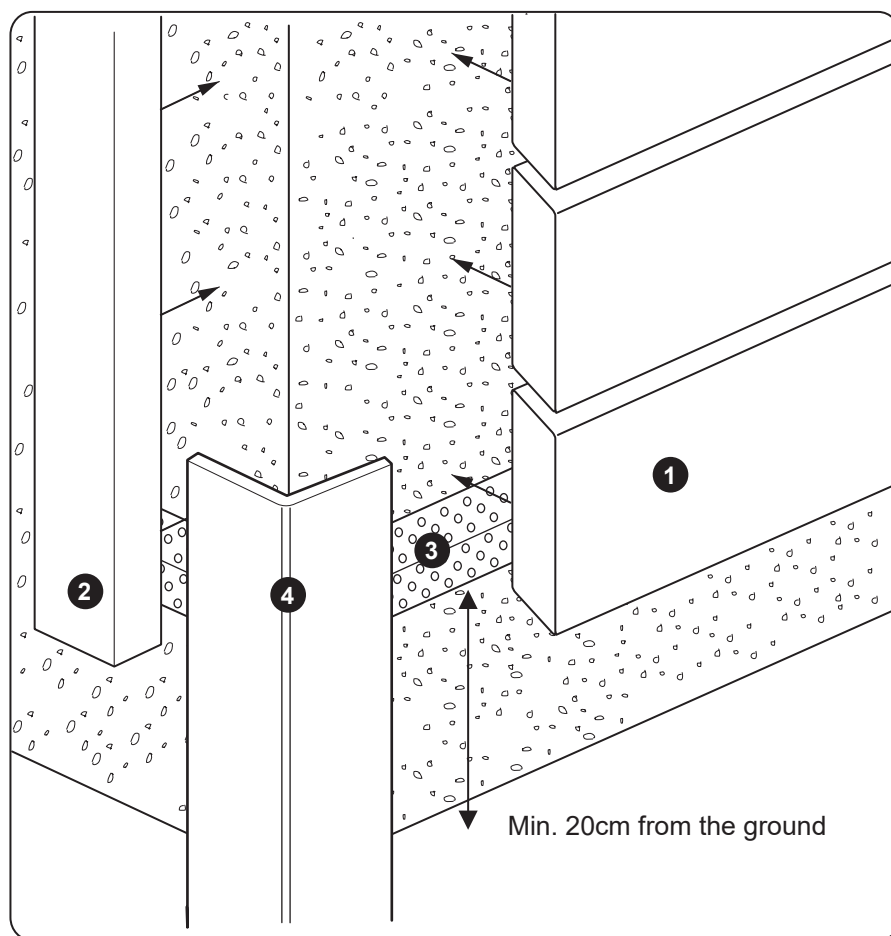
This document cannot be considered a substitute for **DTU 41.2** which remains the only official document to present the proper installation of wood cladding in France.

**DTU 41.2** is directly available from: [www.boutique.afnor.org](http://www.boutique.afnor.org)

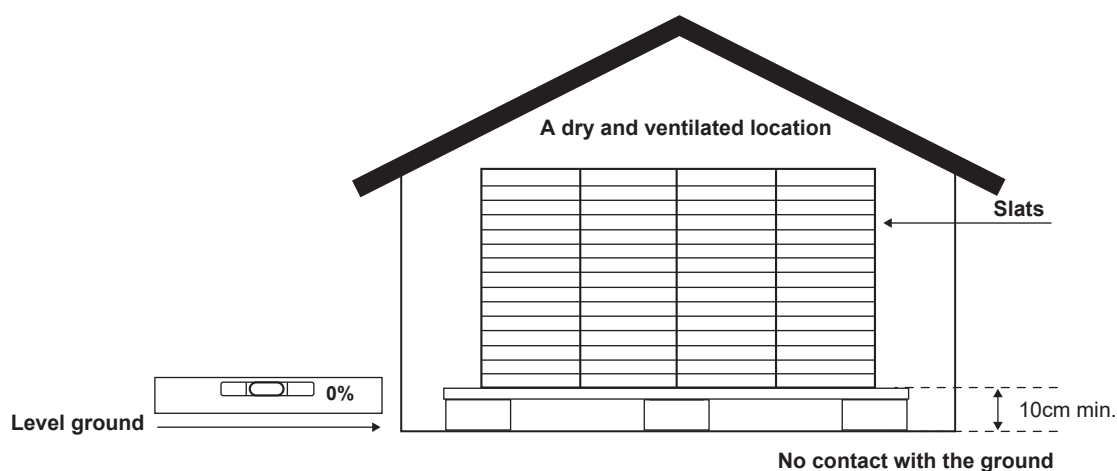
Following the **DTU** rules guarantees quality installation.

Wood cladding is composed of:

- ❶ Cladding slats
- ❷ Black battens
- ❸ Rodent grates
- ❹ Corner



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



**P4**            **Tools and installation accessories**

**P5**            **Layout**

### **1**

#### **HORIZONTAL SLATTED**

**P6**            **Introduction**

**P7**            **Typical example of horizontal cladding**

**P8**            **Batten fixing**

**P9-10**       **Slat fixing**

**P11**         **Corner fixing**

**P12**         **Completed cladding**

### **2**

#### **VERTICAL SLATTED**

**P13**         **Introduction**

**P14**         **Typical example of vertical cladding**

**P15-16**      **Batten fixing**

**P17**         **Slat fixing**

**P18**         **Completed cladding**

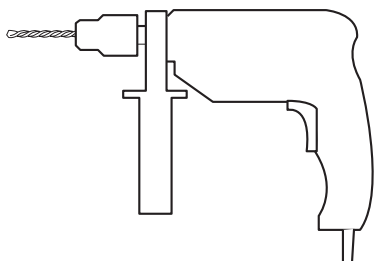
**P19**         **Care advice**

## SLATTED CLADDING INSTALLATION ADVICE

### RECOMMENDED TOOLS AND ACCESSORIES

#### Tools

**Drill**



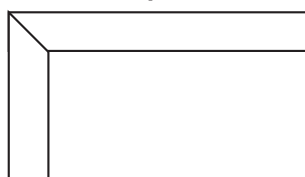
**Concrete drill bit**



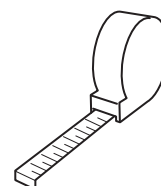
**Level**



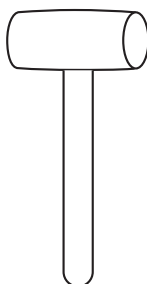
**Square**



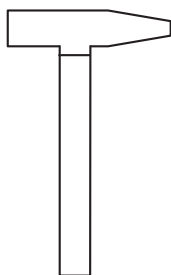
**Tape measure**



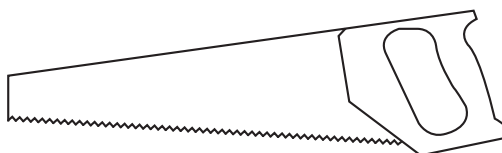
**Rubber mallet**



**Hammer**



**Saw**



#### Accessories

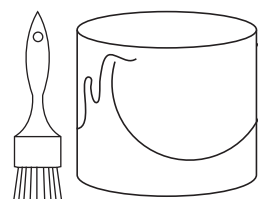
**Stainless steel hammer drive anchors**



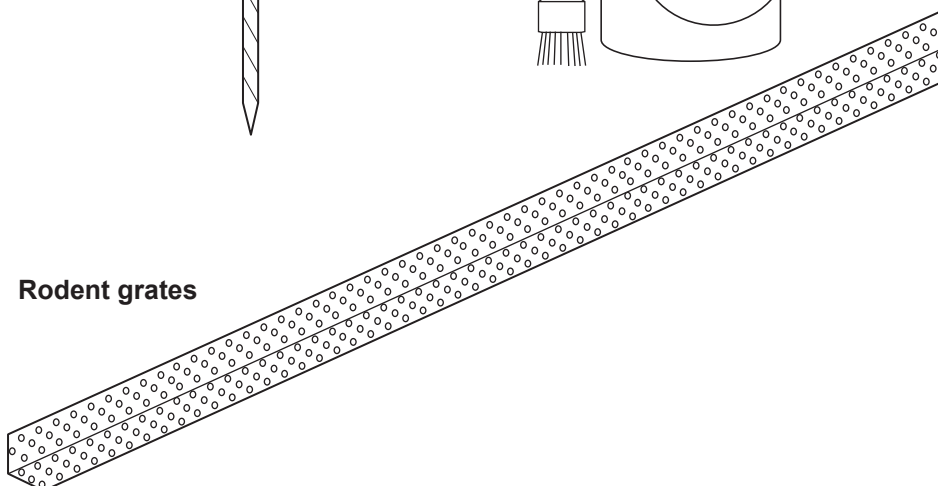
**Stainless steel round headed ring shank nails**



**Cut treatment**



**Rodent grates**

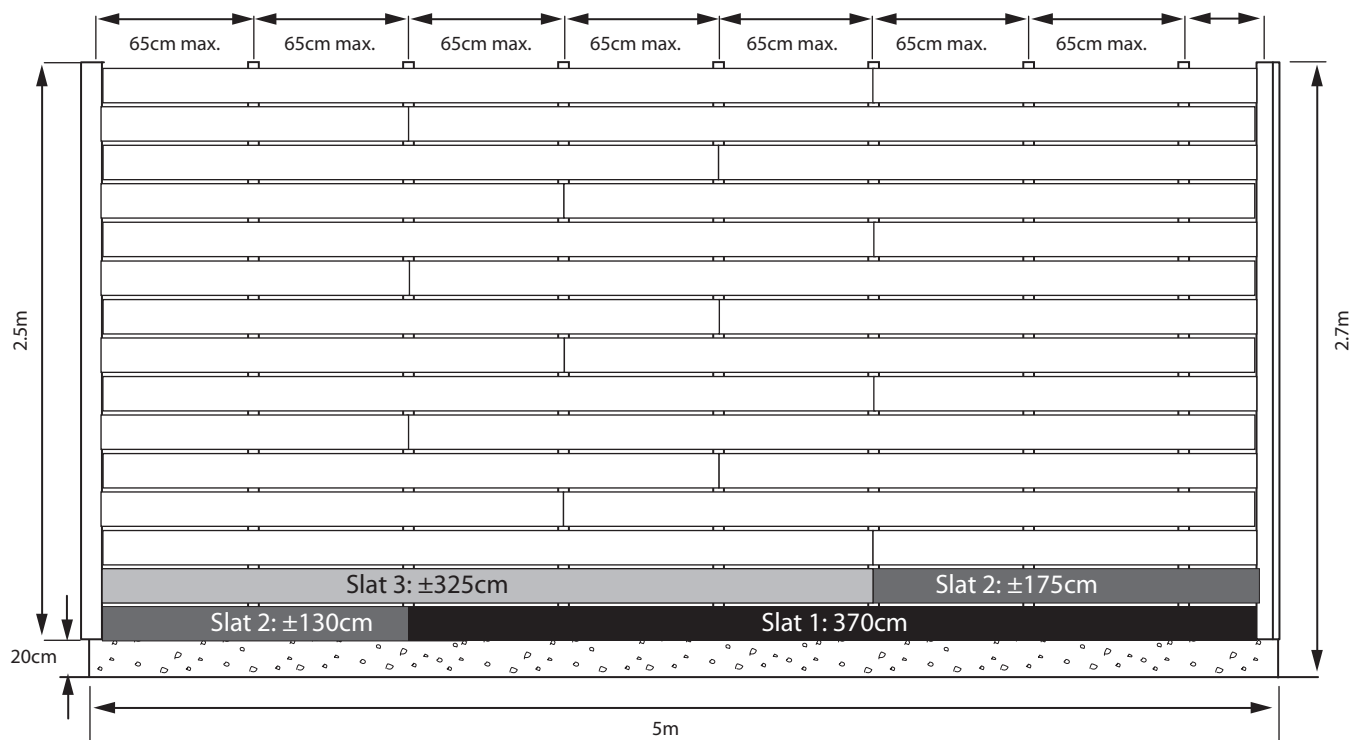


Installation on a concrete wall previously treated against damp with installation of rodent grates.

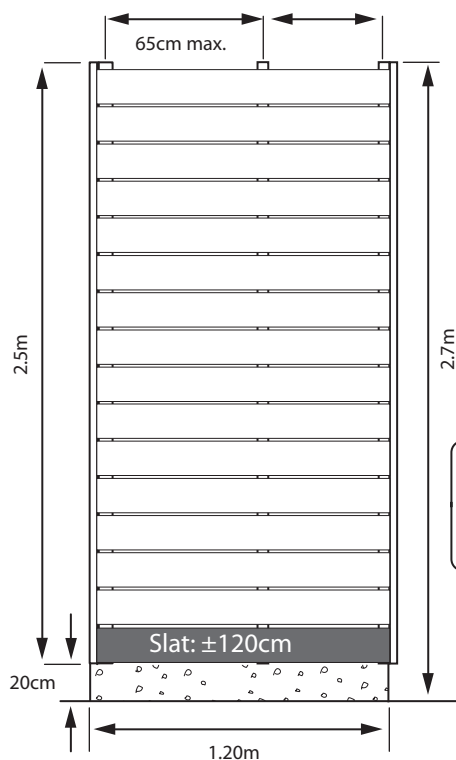
The installation of a rain barrier is recommended on untreated walls.

Rain barriers are mandatory on timber frame walls. (see DTU 41.2 in France).

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



Return 1.2 m x 2.5 m



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

Black battens: 27x45 mm

VÉNITIEN slats: 27x145 (Illustration example)

Corner profile: 68x68 mm

Hammer drive anchors

Ring shank nails

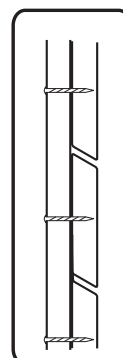
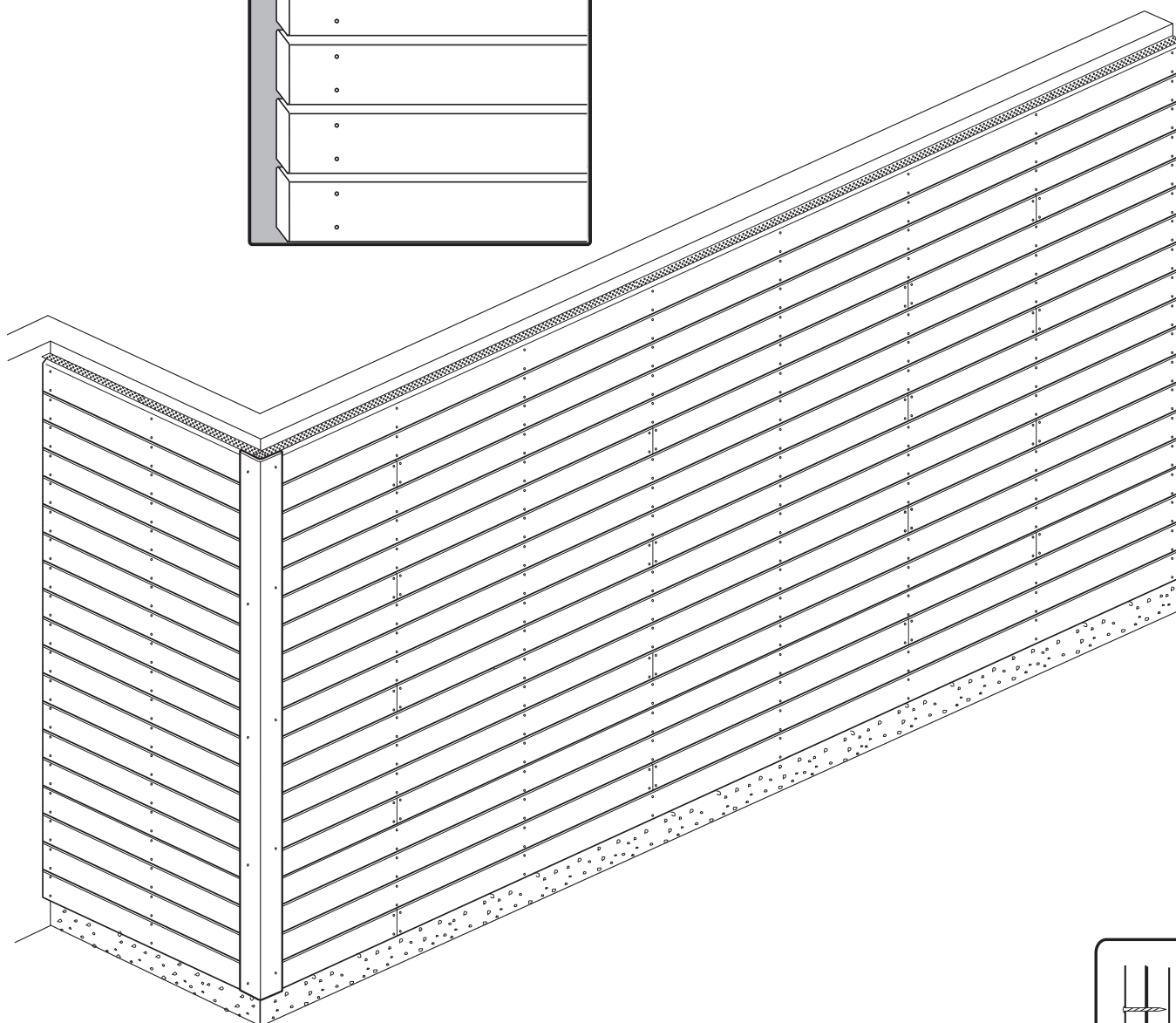
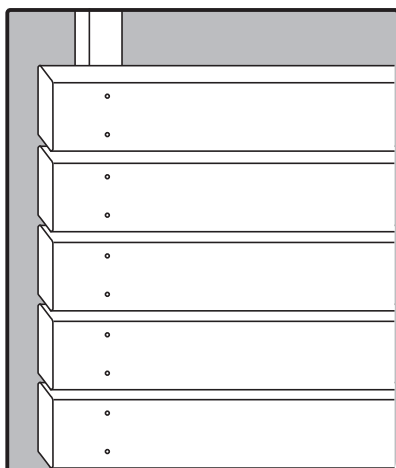
\* Adapt the material quantity calculation to the cladding direction (vertical or horizontal) and the cladding type (slat type, working width, secret or visible fixings)



Create a free space of at least 20 cm

# 1

### HORIZONTAL INSTALLATION



For slatted cladding installation with finish, PROTAC recommends panel installation with fixing on the back. Installing slatted cladding, with a finish (paint or saturator) may require visible nailing on the slat face, which means piercing the finishing film. The guarantee cannot therefore be applied to this type of installation. For Vénitien and Quadri cladding it is therefore recommended to nail from the back in order to maintain the guarantee for the finish.

For the illustrated installation guide, use:

Cladding composed of VENITIEN profile slats, working width 129 mm on 27x45 mm battens.  
As the wood cladding slat working width is greater than 125 mm, its installation requires 2 fixings.

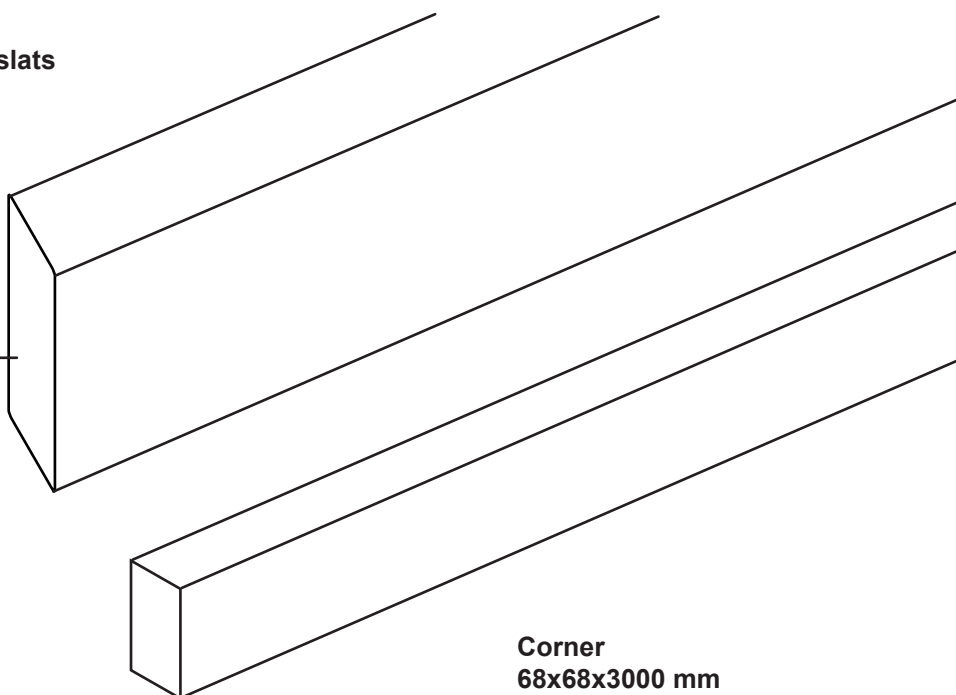


Cuts must be systematically retreated using the treatment products and finishes recommended by Protac. Failure to do so voids all guarantees.

**VÉNITIEN cladding slats**  
27x129 mm

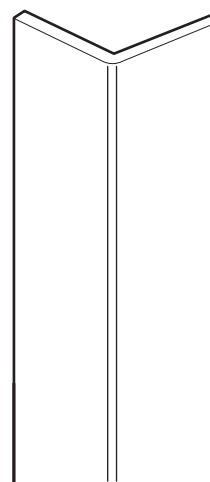


**Black battens**  
(Durability Class 3)  
27x45 mm



**Corner**  
68x68x3000 mm

**Stainless steel 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.

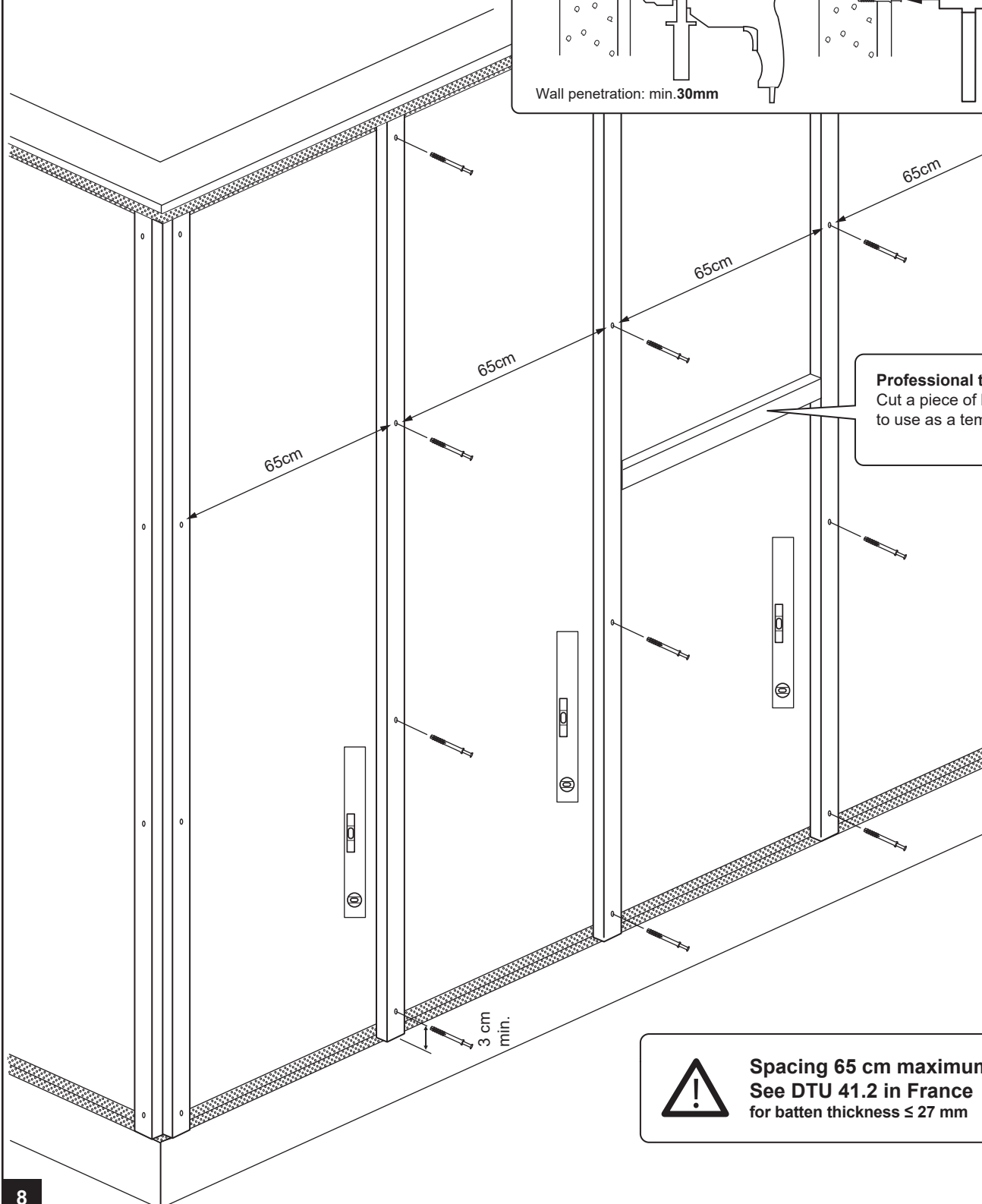
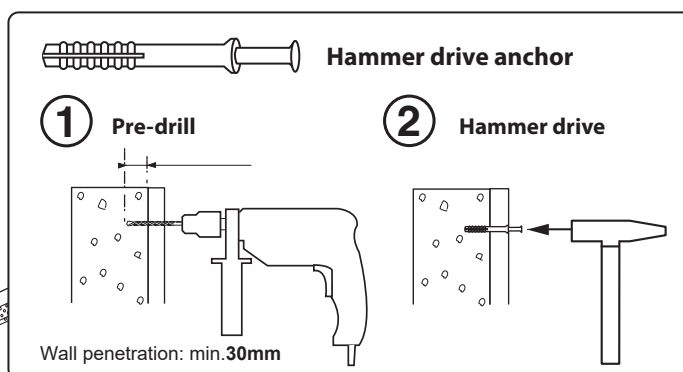
Humidity conditions can have an effect on cladding installation (see DTU 41.2 in France)

# SLATTED CLADDING INSTALLATION ADVICE

## OPTION 1

## HORIZONTAL CLADDING

### 1 27X45 mm BATTEN FIXING



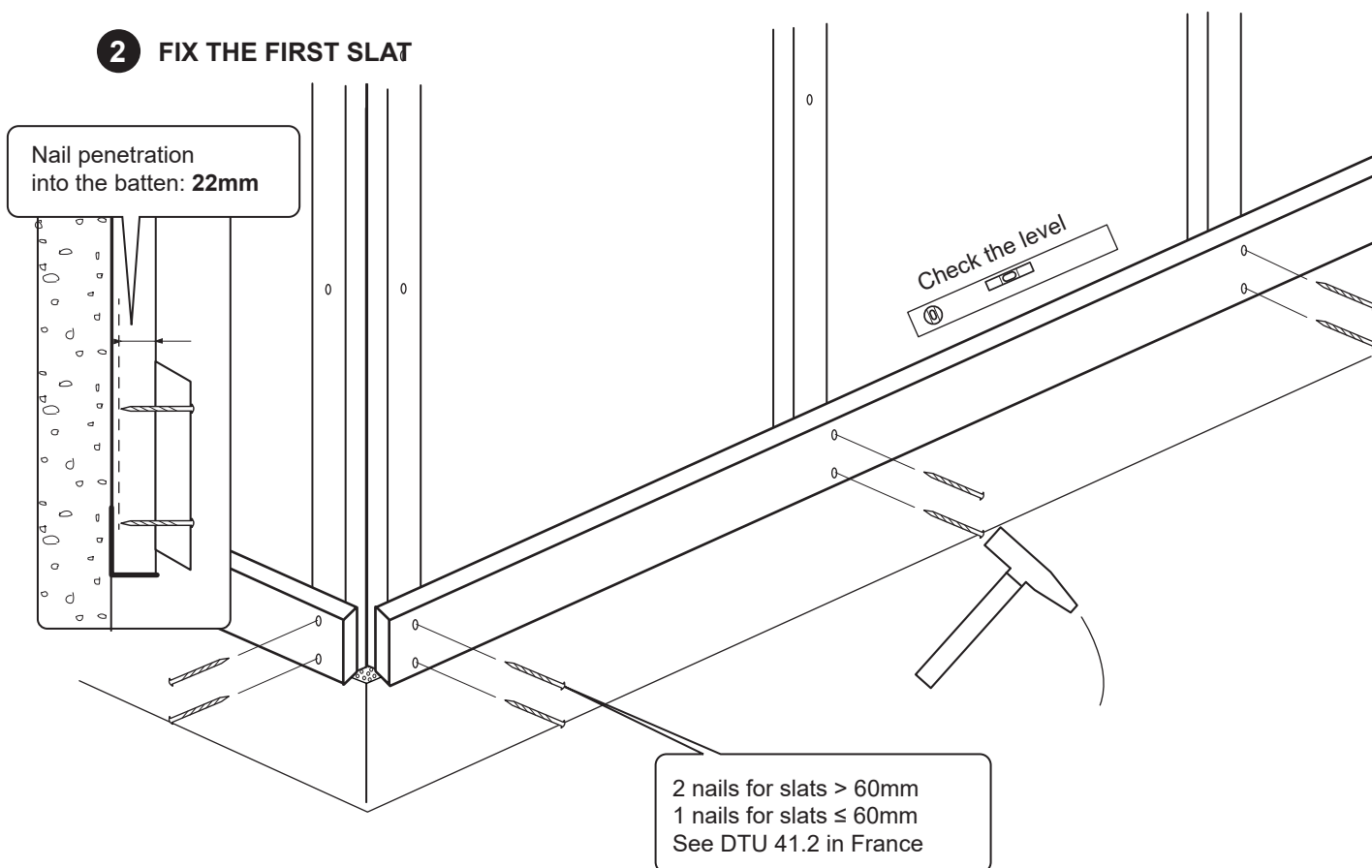
**Professional tip**  
Cut a piece of batten to use as a template



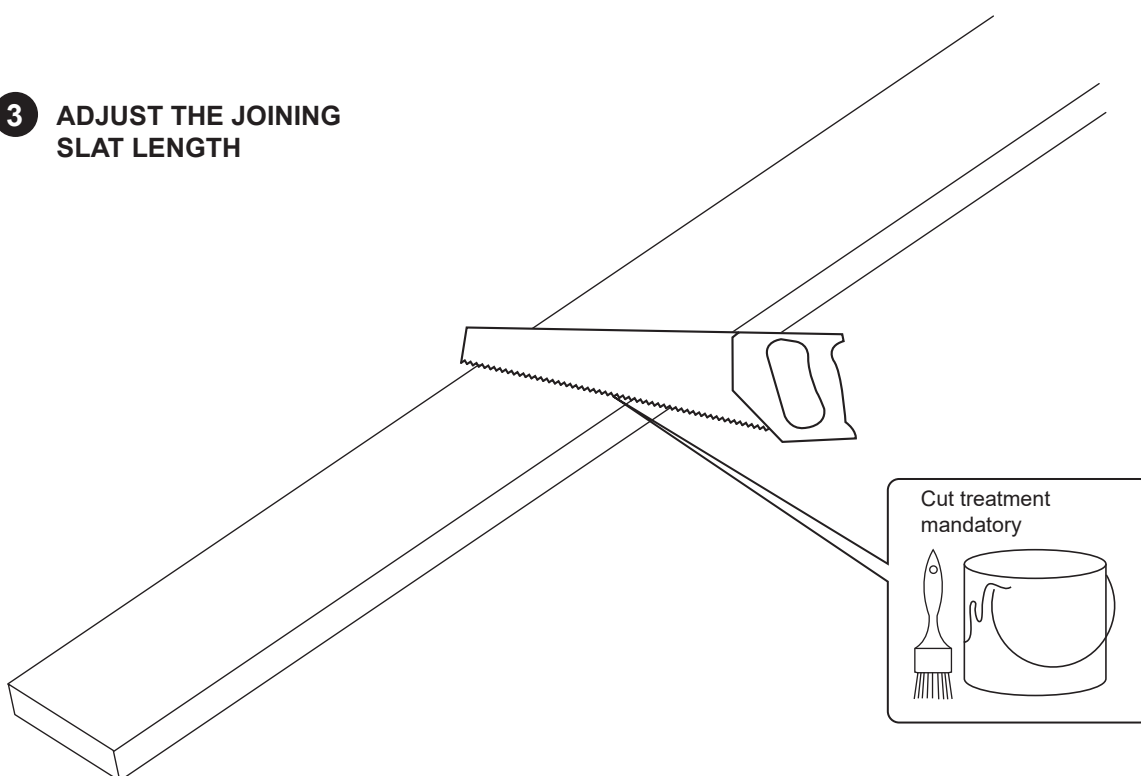
**Spacing 65 cm maximum**  
See DTU 41.2 in France  
for batten thickness  $\leq 27$  mm



### 2 FIX THE FIRST SLAT



### 3 ADJUST THE JOINING SLAT LENGTH



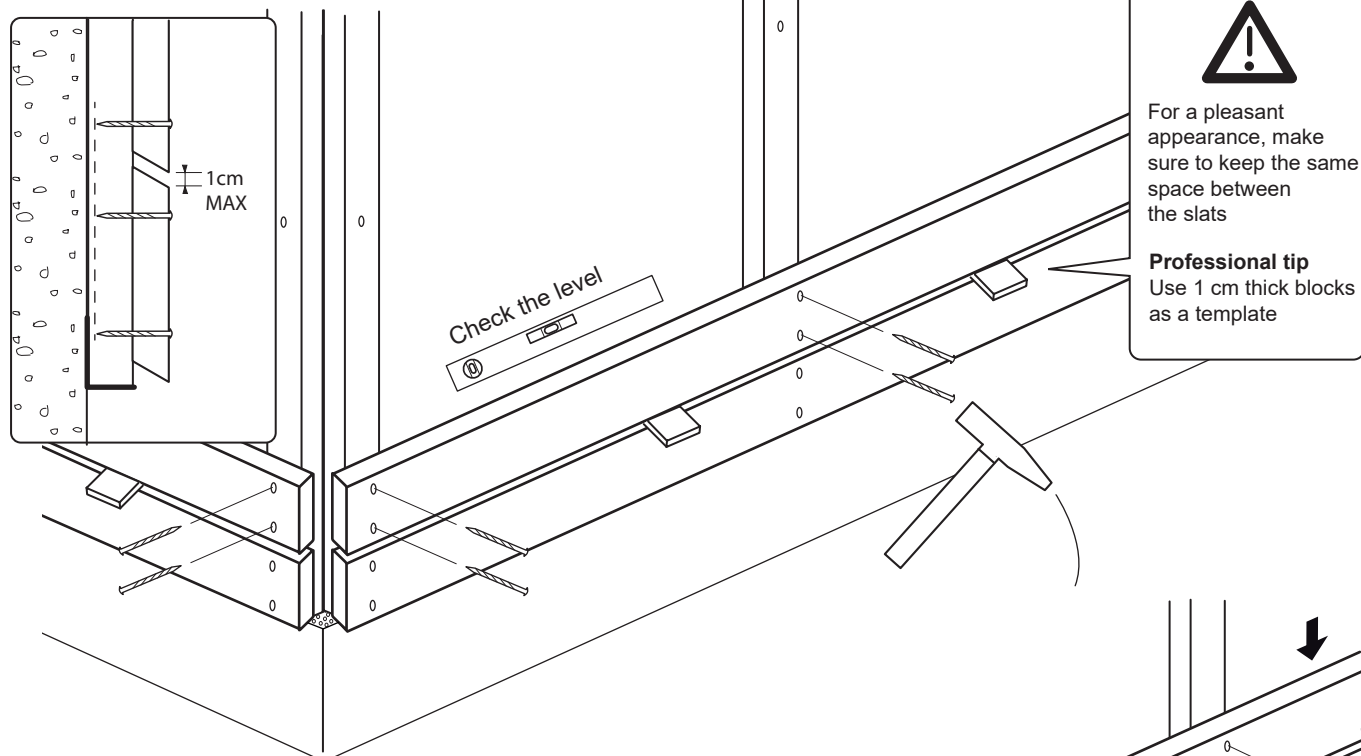
The sawn part must not be at a join. It should be placed at the wall edge

## SLATTED CLADDING INSTALLATION ADVICE

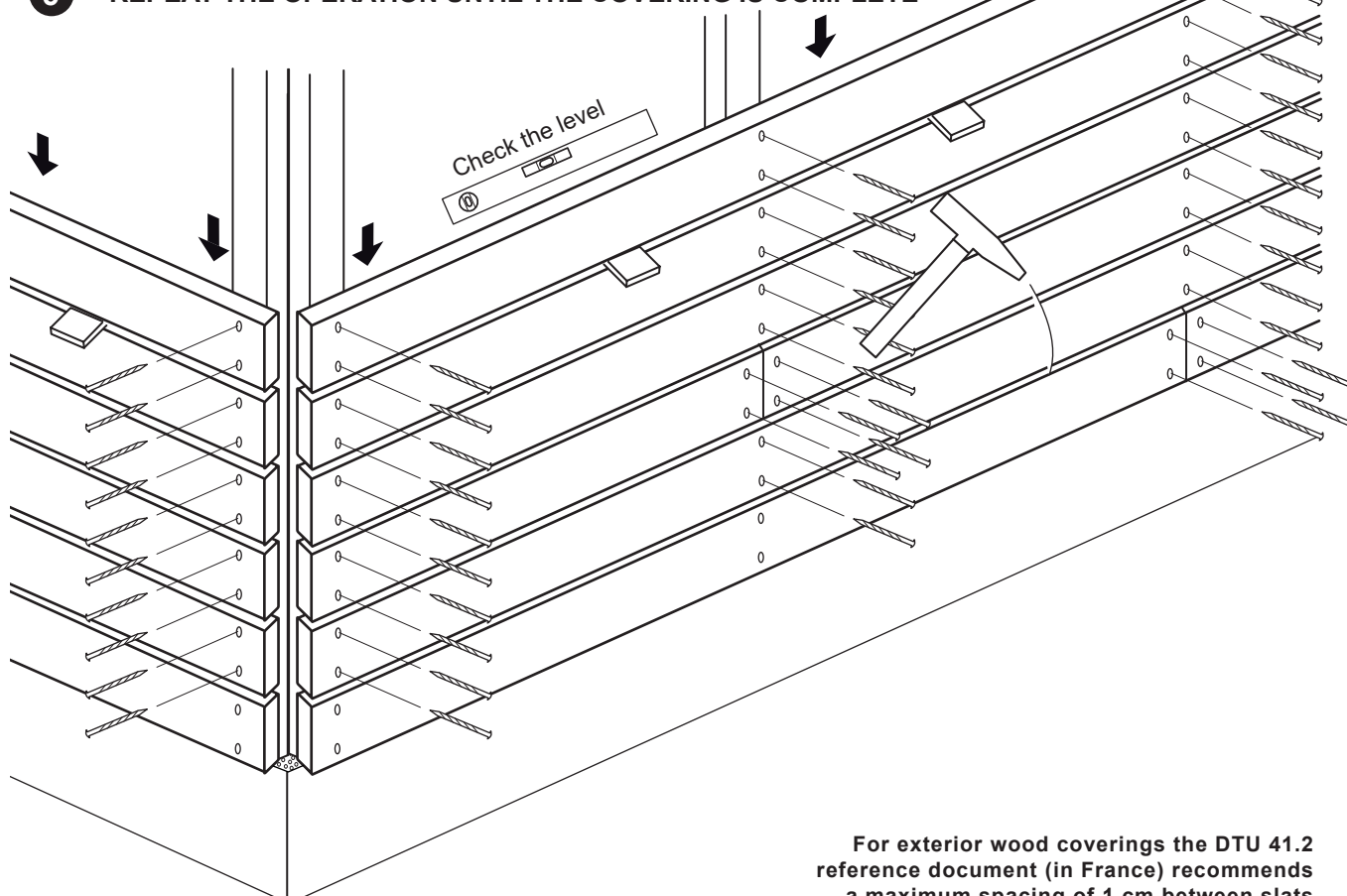
### OPTION 1

### HORIZONTAL CLADDING

#### 4 SLIDE 1 CM (MAX) BLOCKS AND FIX THE NEXT ROW OF SLATS

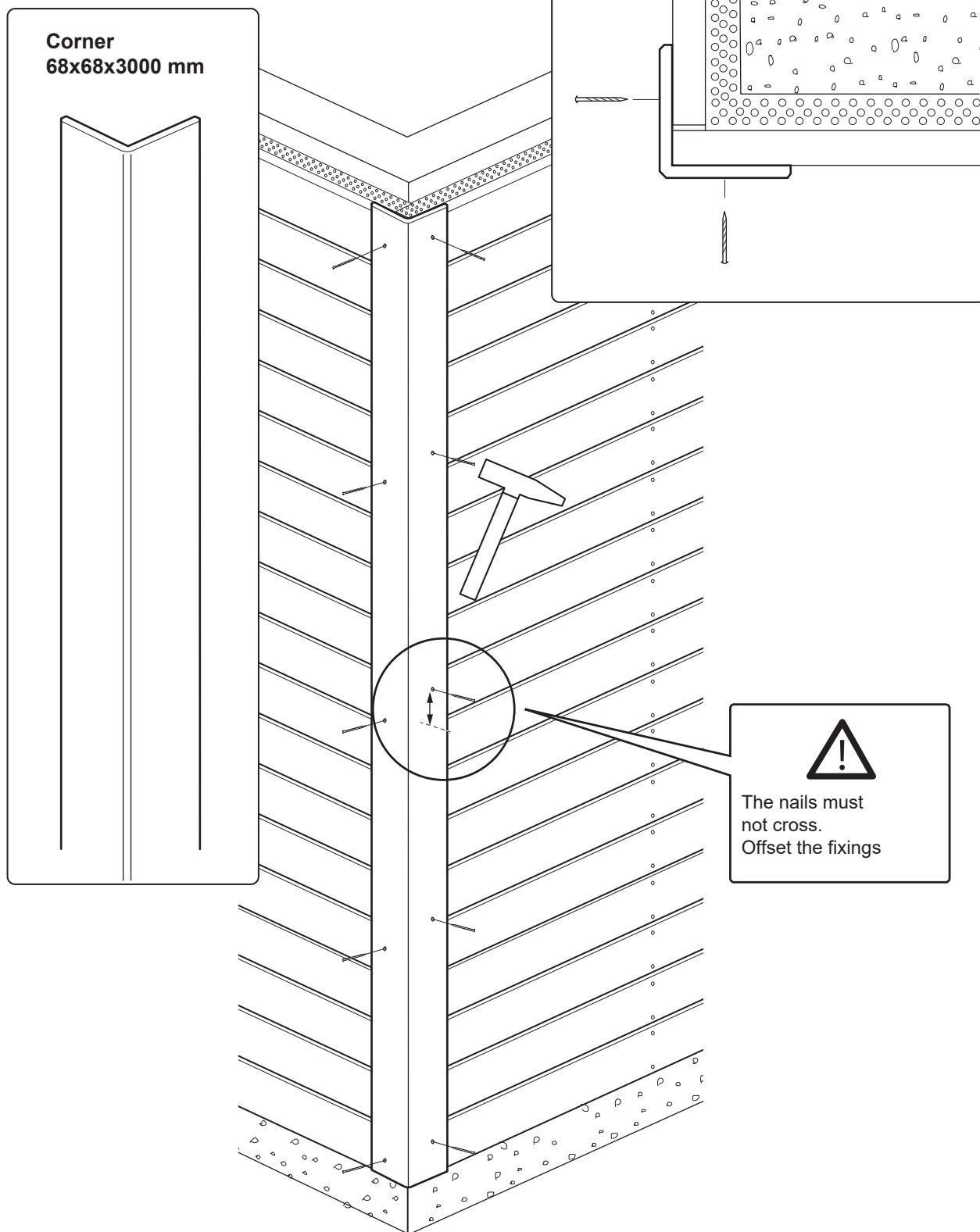


#### 5 REPEAT THE OPERATION UNTIL THE COVERING IS COMPLETE



For exterior wood coverings the DTU 41.2 reference document (in France) recommends a maximum spacing of 1 cm between slats

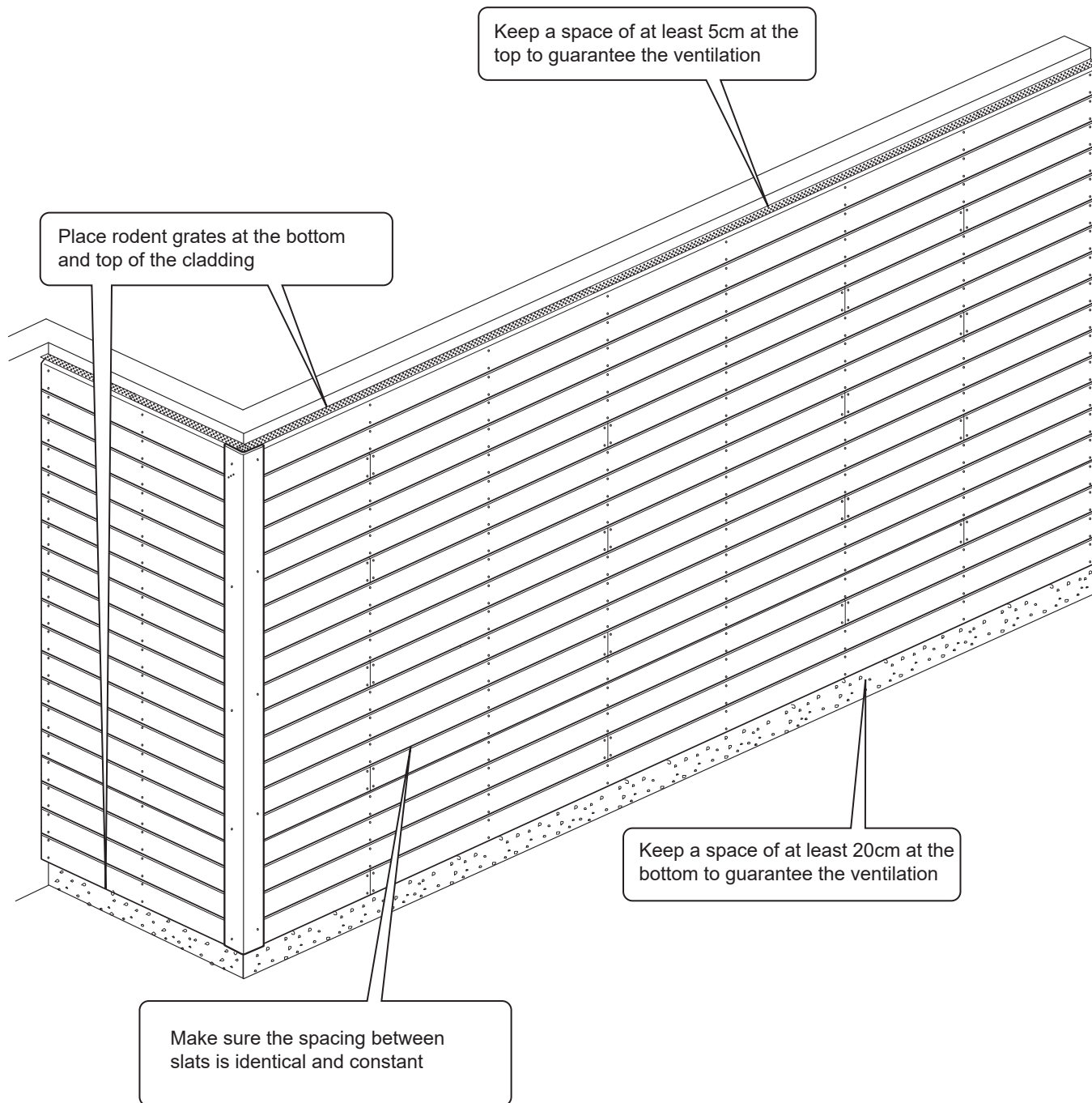
### 6 FIX THE CORNER PROFILE



## SLATTED CLADDING INSTALLATION ADVICE

### OPTION 1

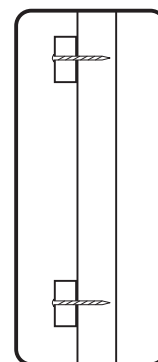
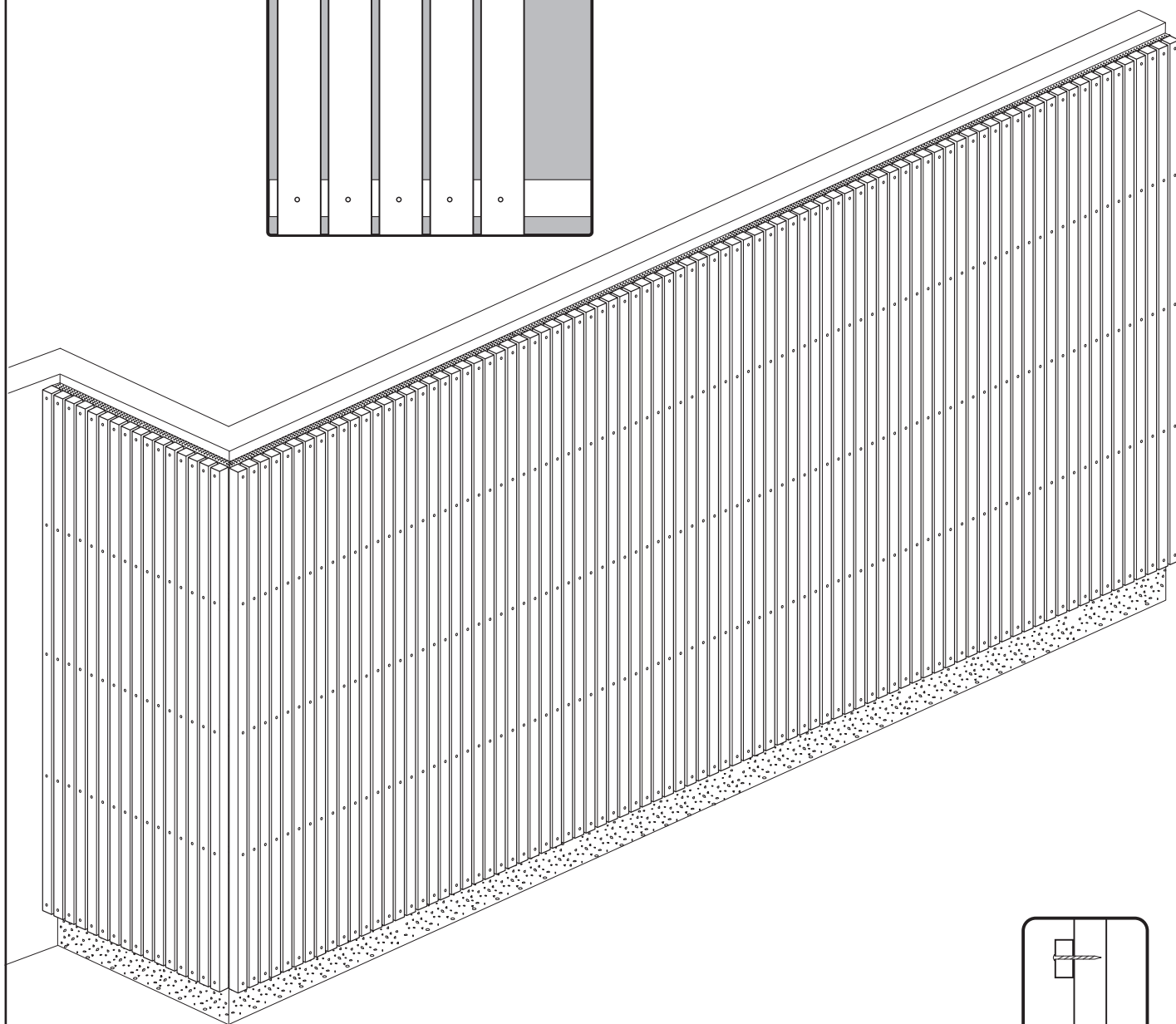
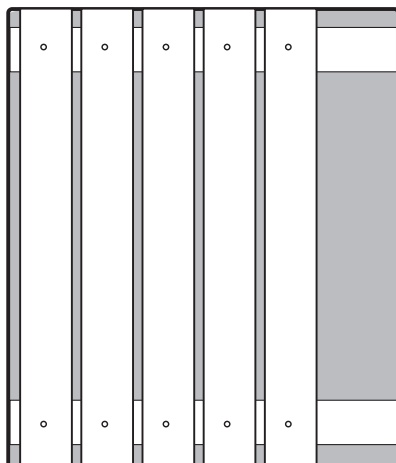
### HORIZONTAL CLADDING



For slatted cladding installation with finish, PROTAC recommends panel installation with fixing on the back.

2

### VERTICAL INSTALLATION



For slatted cladding installation with finish, PROTAC recommends panel installation with fixing on the back.  
Installing slatted cladding, with a finish (paint or saturator) may require visible nailing on the slat face, which means piercing the finishing film. The guarantee cannot therefore be applied to this type of installation.  
For Vénitien and Quadri cladding it is therefore recommended to nail from the back in order to maintain the guarantee for the finish.

For the illustrated installation example, use:

Cladding composed of QUADRI profile slats, cross section 40x40 mm on 27x45 mm battens.

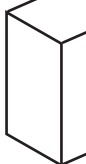


Cuts must be systematically retreated using the treatment products and finishes recommended by Protac. Failure to do so voids all guarantees.

**QUADRI cladding slats**  
40x40 mm



**Black battens**  
(Durability Class 3)  
27x45 mm



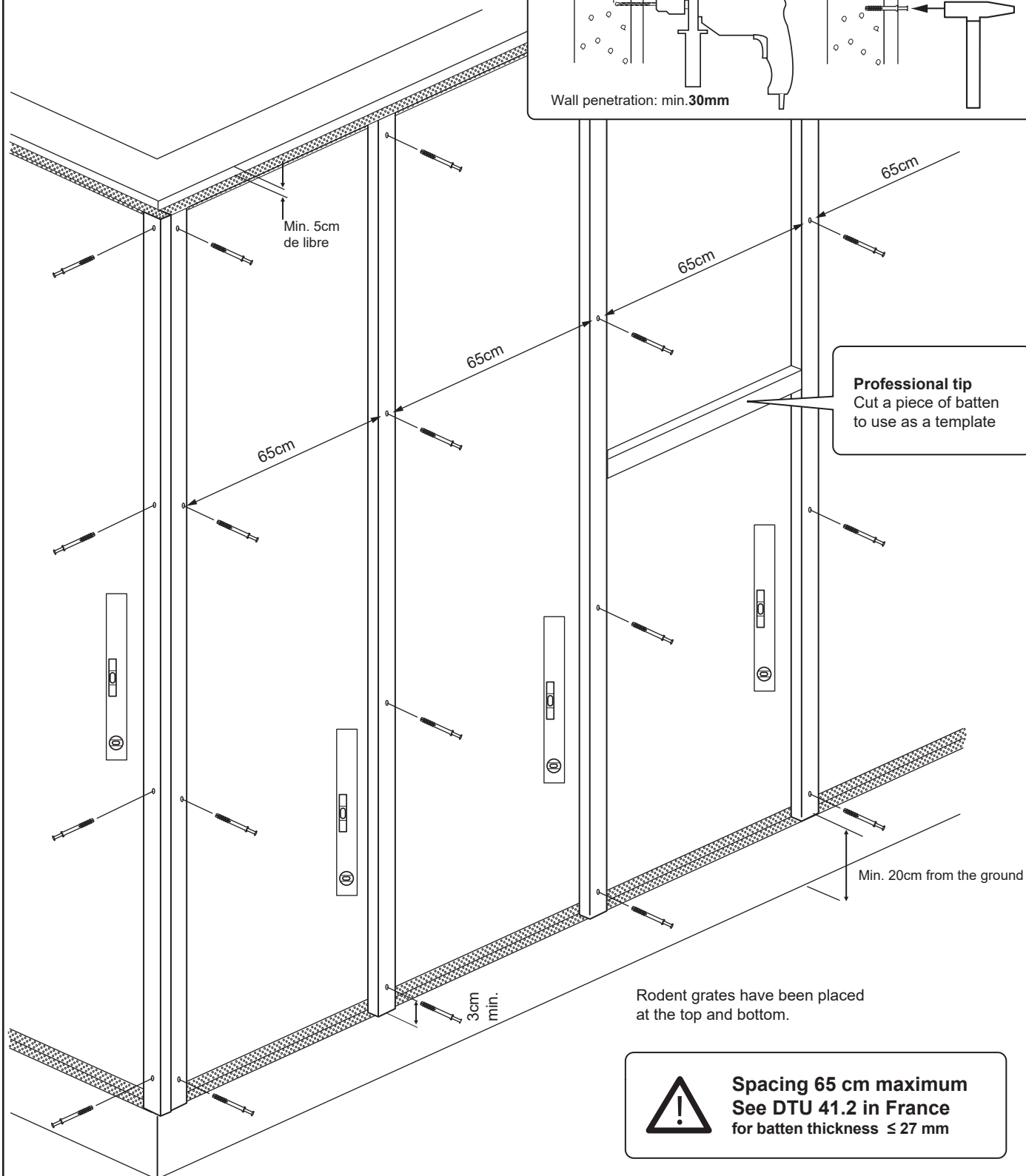
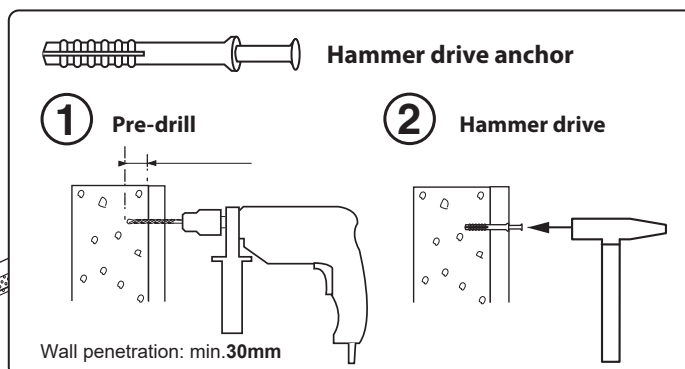
**Stainless steel**  
**Round headed ring shank nails**



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)

FOR VERTICAL CLADDING, USE  
DOUBLE BATTENS (see DTU 41.2 in France)

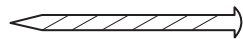
### 1 FIX THE VERTICAL BATTENS



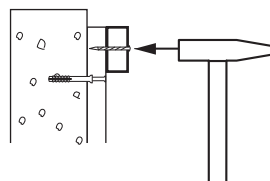
**Spacing 65 cm maximum**  
See DTU 41.2 in France  
for batten thickness  $\leq 27$  mm

### 2 FIX THE HORIZONTAL BATTENS

**Stainless steel  
Round headed ring shank nails**



**Nail**



65cm max.

Min. 20cm from the ground



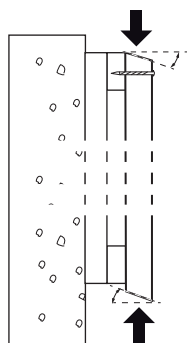
**Spacing 65cm maximum  
See DTU 41.2 in France**



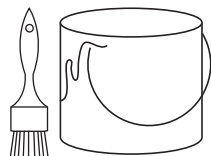
### 3 FIX THE FIRST SLAT



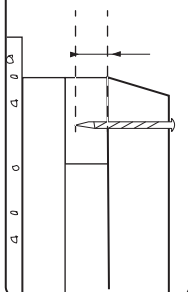
The slats must be cut with a 30 ° angle at the top and bottom to encourage natural run-off



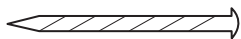
Mandatory cut treatment



Nail penetration into the batten: 22 mm



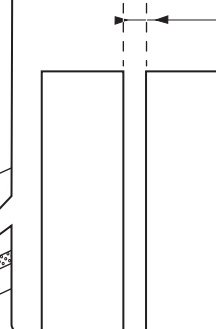
Stainless steel  
Round headed ring shank nails



Check the level

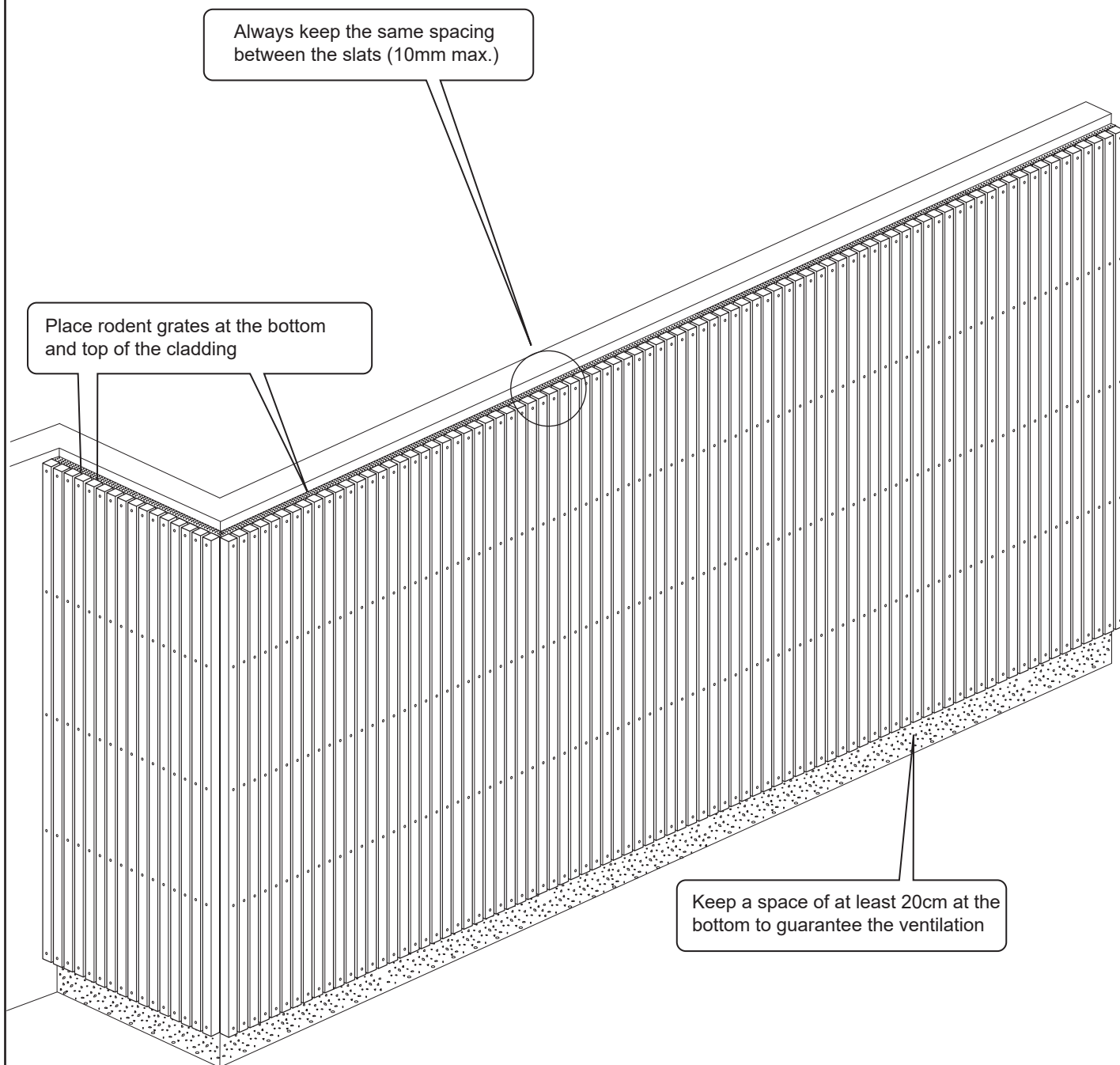
### 4 FIX THE NEXT SLATS

Space 1 cm MAX



For a pleasant appearance, make sure to keep the same space between slats

**Professional tip**  
Use 1 cm thick blocks as a template



For slatted cladding installation with finish, PROTAC recommends panel installation with fixing on the back.

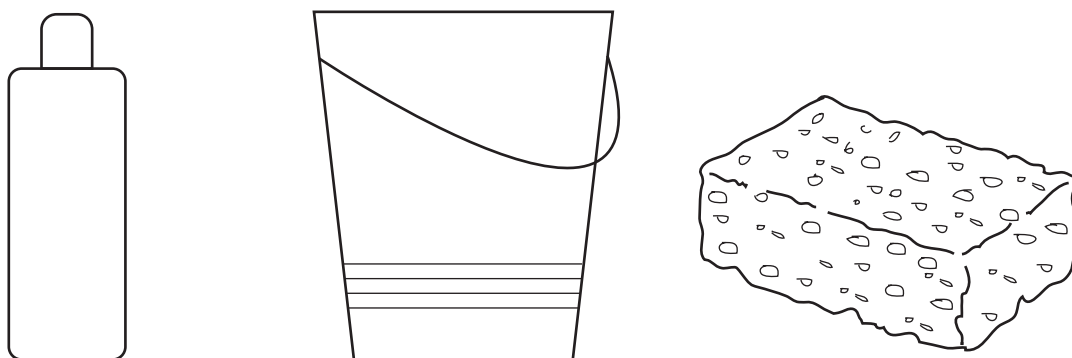
#### NORMAL CONDITIONS

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.

