Reburnent PRO

INSTALLATION GUIDE

www.reburnentpro.com

COVERED PRODUCTS

- **Reburnent PRO Cladding**
- **Reburnent PRO Decking Boards**

To ensure optimal performance, durability, and aesthetics of Reburnent PRO products, please follow the instructions outlined in this guide.

INSTALLATION GUIDELINES

This guide covers essential steps for installing Reburnent PRO cladding and decking. Each section provides a detailed explanation to achieve the best results. Please refer to the product specifications for maintenance recommendations. Note that these instructions are general guidelines and may require customization for specific projects. Always ensure compliance with local building regulations and standards.

CONTENTS

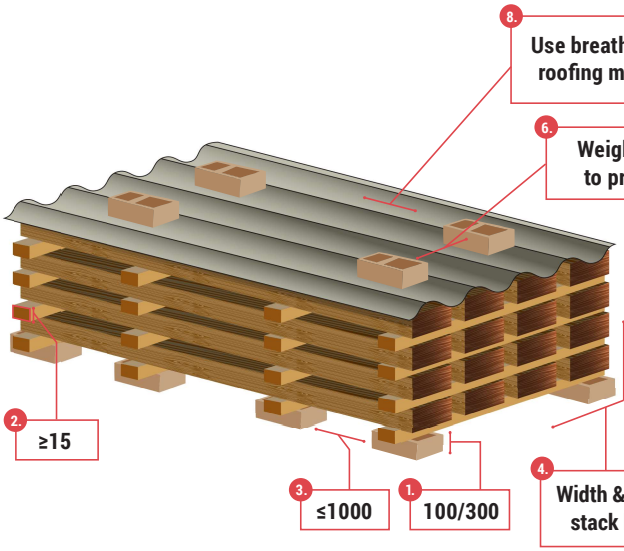
IMPORTANT NOTICE:

Adhering to the correct storage, installation, and maintenance practices is crucial for the long-term performance of the product. Failure to follow these instructions may result in issues that are not covered by warranty or claims.

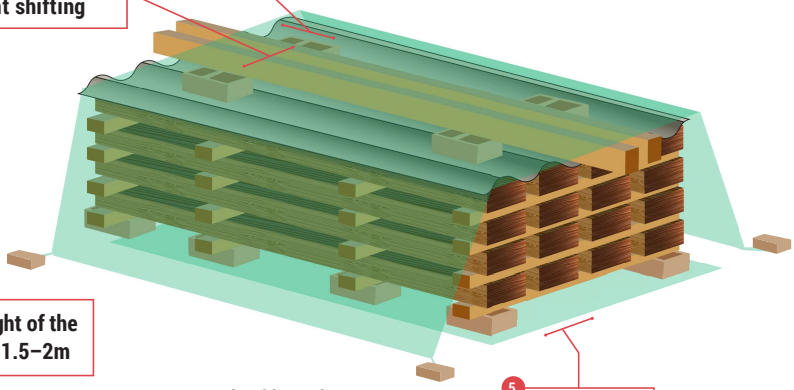
PROPER STORAGE OF REBURNENT PRO WOOD ON SITE

Correct storage minimizes the risk of deformation, cracking, and discoloration. Follow these guidelines:

1. **ELEVATION**
   - Keep stacks at least 100 mm above concrete and 300 mm above unpaved ground.
   - Use stable supports such as wooden blocks or beams to ensure even weight distribution.
2. **VENTILATION**
   - Place ≥15 mm thick battens between each row of boards to allow proper airflow.
   - Ensure battens are aligned vertically across the entire stack to distribute weight evenly.
3. **SPACING BETWEEN BATTENS**
   - Maintain a maximum spacing of ≤1000 mm between battens to prevent board sagging or warping.
4. **STACK DIMENSIONS**
   - Limit the width and height of the stack to 1.5–2 meters to ensure stability and easy handling.
5. **STACKING SURFACE**
   - Arrange boards on a flat, level surface to prevent bending and deformation over time.
6. **WEIGHT SECURING**
   - Place additional weights, such as blocks, on top of the stack to prevent shifting.
7. **LENGTH-BASED STACKING**
   - Organize boards by length for easier handling. If mixing lengths, place longer boards at the bottom to ensure proper alignment and stability.
8. **PROTECTION FROM DAMAGE**
   - Protect the boards from scratches, impacts, and direct sunlight.
   - Use breathable coverings like roofing material or loosely placed PVC film, avoiding airtight seals to maintain airflow.



1.1. *A stack of boards covered with roofing*



1.2. *A stack of boards covered with PVC film*

PROPER ACCLIMATION BEFORE INSTALLATION

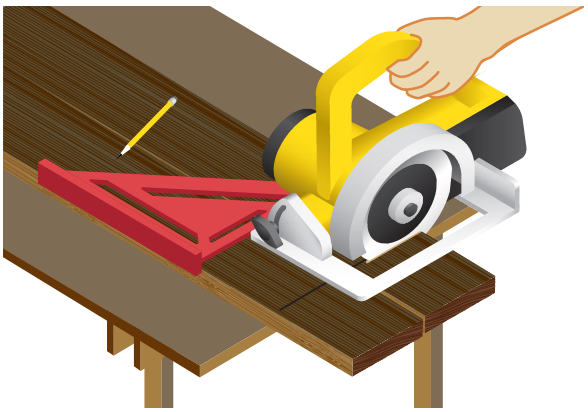
Acclimation stabilizes the wood and minimizes dimensional changes. Follow these steps:

1. **Duration:** Allow Reburnent PRO boards to acclimate for at least **72 hours** in the installation environment.
2. **Moisture Protection:** Keep boards dry while ensuring **good air circulation**.
3. **Prevent Issues:** Failure to acclimate can result in **cupping, buckling, warping,** or **shrinkage**, potentially damaging boards and fasteners.

TREATING BOARD ENDS BEFORE INSTALLATION

1. **Cut the Board to the Required Length:** If the board needs to be shortened to fit the project (e.g., non-standard layout or precise alignment), make a clean, straight cut using appropriate woodworking tools.

   Ensure the cut is smooth and even for proper treatment in the next steps.

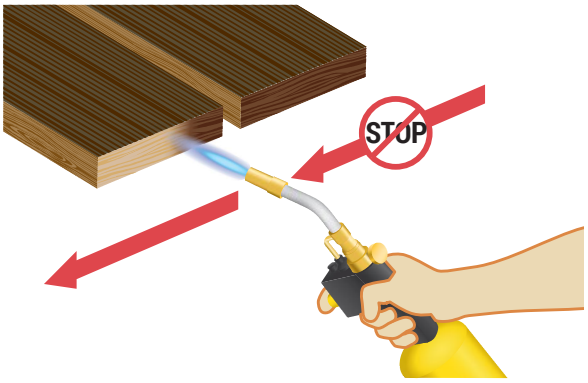


2.1. *Cutting the board with a saw*

2. **Char the Freshly Cut End with a Torch:** Use a gas torch with a **narrow**, **focused flame** to carefully char the newly exposed wood surface. This process protects the open grain and ensures visual continuity with the rest of the board.

   Important: *Avoid over-burning or holding the flame in one place too long. Aim for an even, controlled char similar to the factory finish.*

⚠ *Work in a well-ventilated area. Keep flame away from flammable materials, oil, and surfaces.*



2.2. *Charring the cut end*

3. **Apply Protective Oil:** Once the charred surface has cooled, apply a thin, even coat of **our certified protective impra®lan-Grund G400 oil** (same oil used in production). Use a lint-free cloth or brush to ensure proper absorption and coverage.

   Note: *The oil nourishes the charred layer and creates a protective barrier against moisture and UV exposure.*

2.3. *Applying oil to the burned surface*

4. **Proceed with Mounting:** After the treated end is dry to the touch, you can mount the board as usual.

   Follow alignment and ventilation guidance provided in the next installation steps.

Additional Note: If boards have already been mounted and you need to treat the exposed ends (e.g., at corners or cuts made post-installation), you can still perform the charring and oiling steps in place. Use appropriate safety precautions to protect surrounding surfaces.

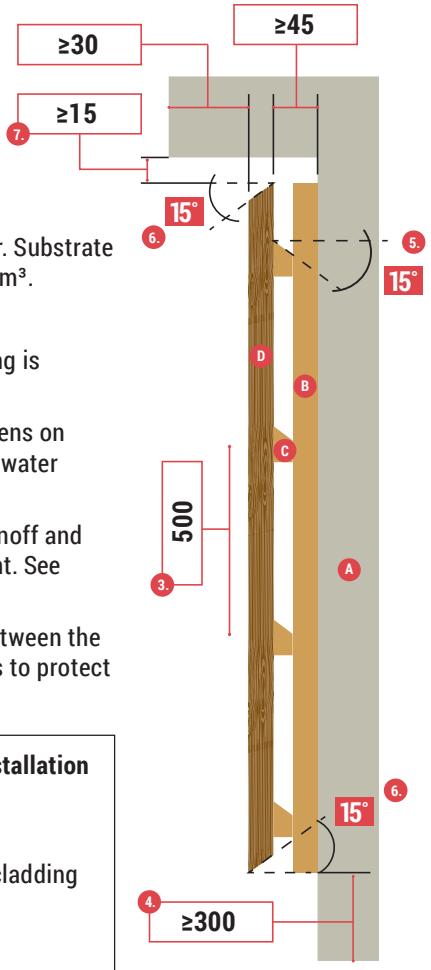
CLADDING INSTALLATION

Frame and Substrate Preparation

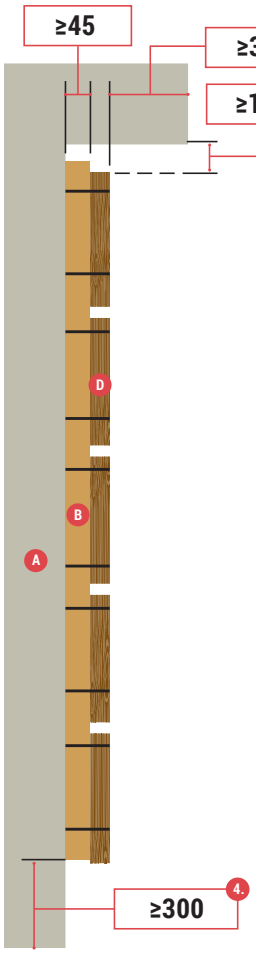
1. **Frame and Substrate Preparation:** Frame Material: Use 22–25 mm thick and 50 mm wide wooden battens.
2. **Fire Reaction Rating:** Battens must be D-s2, d0 or better. Substrate must be A1 or A2-s1, d0 with a minimum density of 525 kg/m³.
3. **Spacing:** Position battens 500 mm apart. See image 3.1.
4. **Plinth Height:** Ensure that the bottom edge of the cladding is positioned at least 300 mm above finished ground level.
5. **Double Frame (Vertical Cladding):** Use horizontal battens on vertical ones, chamfering horizontal tops at a 15° angle for water drainage. See image 3.1.
6. **Angle Cuts:** Cut cladding edges at 15° angles for water runoff and coat them with impra®lan-Grund G400 or Ultra fire retardant. See image 3.1.
7. **Ventilation and Joints:** Leave a 15 mm ventilation gap between the cladding and the roof. Place joints on battens and coat cuts to protect against water entry.

Vertical cladding installation	Horizontal cladding installation
A – building structure	A – building structure
B – vertical frame batten	B – frame batten
C – horizontal frame batten	C – REBURNENT PRO cladding
D – REBURNENT PRO cladding	

NOTES: pictures are not to scale;
all dimensions in millimetres (mm) unless noted.



3.1. *Vertical cladding installation*



3.2. *Horizontal cladding installation*

Fastener Guidelines

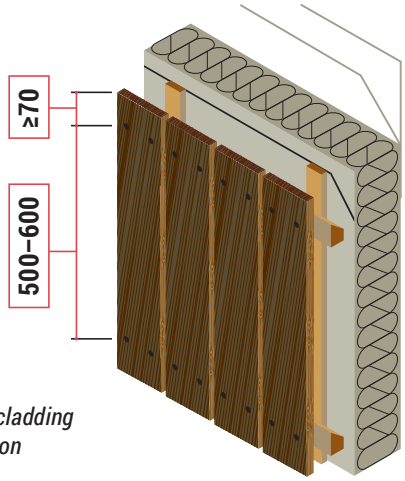
Material: Use corrosion-resistant stainless steel screws (e.g., Essve). A minimum length of 42 mm is recommended.

Placement:

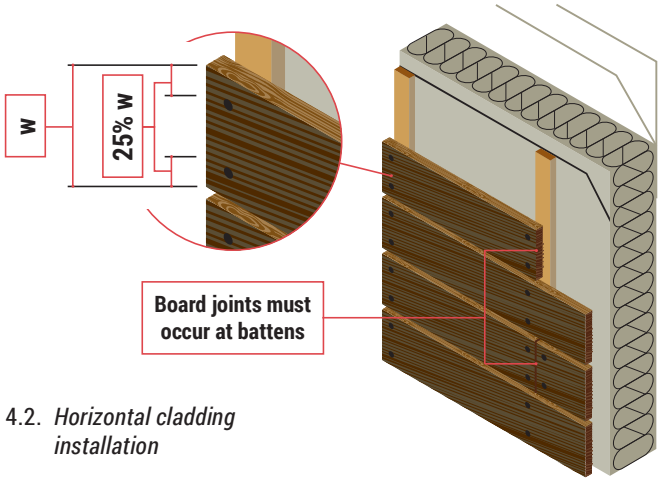
- Boards wider than 70 mm: Two screws positioned 25% from eachside on the board and at least 70 mm from the top or bottom.
- Boards up to 70 mm wide: One screw placed centrally.

Pre-Drilling: For dense wood types (e.g., larch), pre-drill all fixing points to avoid splitting.

Moisture Content: Ensure cladding moisture content is ~16% during installation to prevent shrinkage and protruding screws.



4.1. *Vertical cladding installation*



4.2. *Horizontal cladding installation*

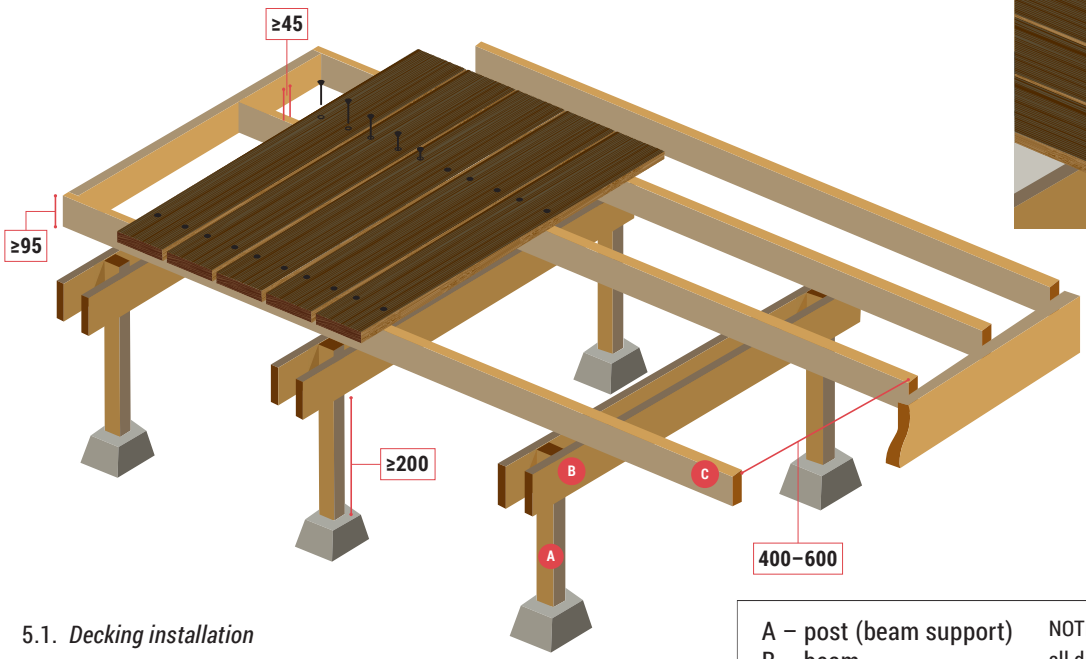
DECKING INSTALLATION

Substructure Preparation

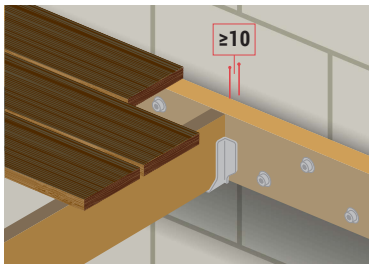
- **Material Selection:** Use wood of similar density to the decking boards.
- **Joist Construction:** Build a double substructure using at least 45 x 95 mm joists, spaced 400–600 mm apart. See diagram.
- **Drainage Layer:** Add a drainage layer and ensure a slight slope to direct water runoff away from the decking surface.
- **Ventilation Gap:** Maintain ≥ 10 mm gap between the decking and all adjacent structures to allow air circulation.

Fixing Guidelines

- **Board Gaps:** Leave 5–8 mm gaps between decking boards to allow for natural movement and ventilation.
- **Screw Placement:** Secure each board at every joist crossing with two screws, positioned at least 25 mm from each board end.
- **Pre-Drilling:** Pre-drill holes when using visible screws to avoid splitting the wood.
- **Screw Selection:** Use screws that are 2–3 times longer than the thickness of the decking boards.



5.1. *Decking installation*



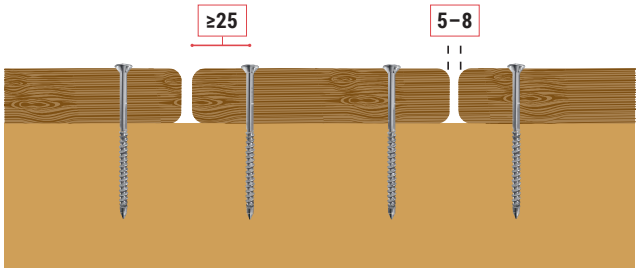
5.2. *Decking against wall*

A – post (beam support)
B – beam
C – joist

NOTES: pictures are not to scale; all dimensions in millimetres (mm).

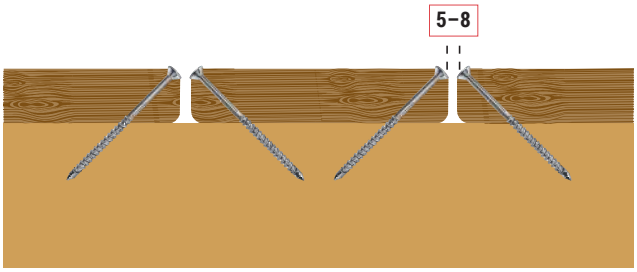
Installation Styles

Standard Installation: Screws remain visible, positioned at quarter points of the board width. The screw heads must be level with the surface of the decking boards and no deeper.



5.3. *Standard installation*

Concealed Installation: Use specialized tools to insert screws diagonally (at an angle of 45 degrees) into board sides, hiding them from view.



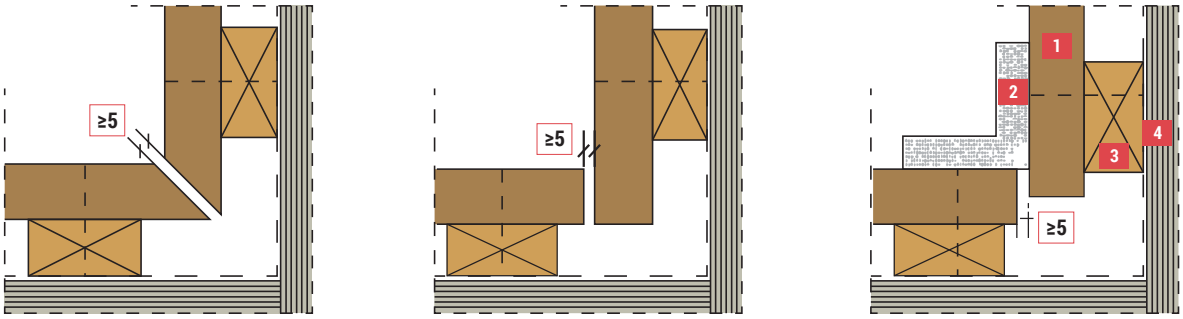
5.4. *Concealed Installation*

Helpful Tip for DIY Beginners: Avoid rushing to secure the decking boards right away. First, lay them loosely on the prepared frame to prevent any unexpected issues.

CORNER SOLUTIONS

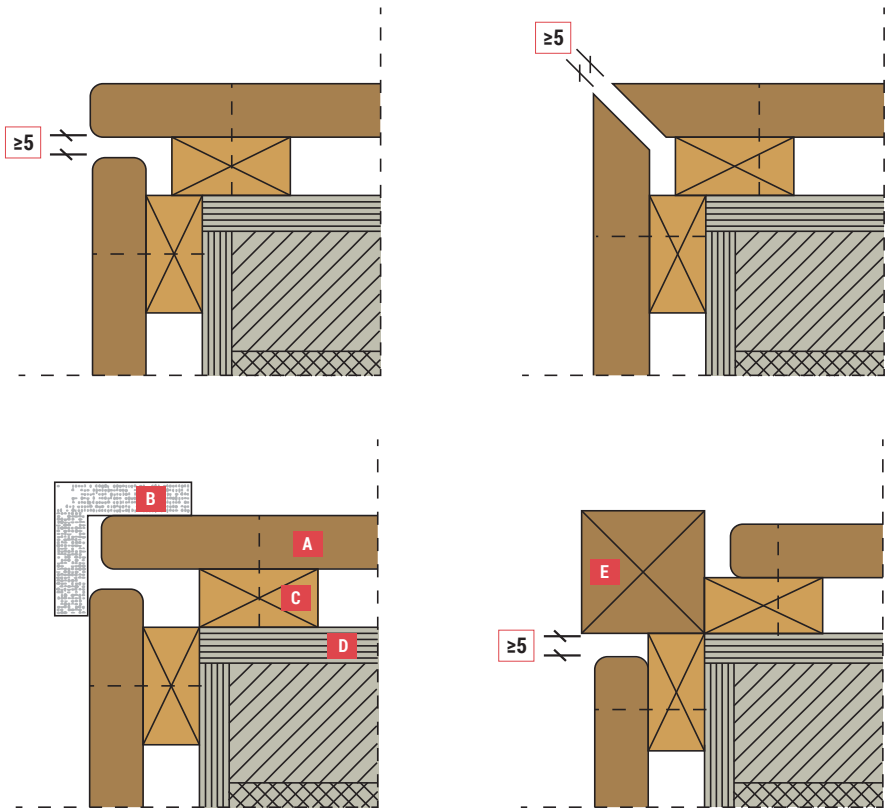
This section offers general examples of cladding installation. However, a qualified engineer should always review the specific project design to ensure the system's strength. The entire system must comply with all relevant regulations.

Interior Corners



1 – REBURNENT PRO cladding
2 – REBURNENT PRO interior trim angle
3 – frame batten
4 – wall structure

Exterior Corners



A – REBURNENT PRO cladding
B – REBURNENT PRO exterior trim angle
C – frame batten
D – wall structure
E – REBURNENT PRO batten

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For questions or advice feel free to contact us:

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