EcoTravers®

INSTALLATION GUIDE

WPC Cladding System

Premium Trapezoid Slatted Cladding

www.ecotravers.com

OUTDOOR INSTALLATION

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Thank you for your trust and for purchasing our products.
Please read the entire installation instructions before proceeding.

Safety Measures

Installation should be carried out by specialised construction companies.
Ecotravers cannot be held liable for damage or injury to the product resulting from faulty installation. Installation not in accordance with the instructions below will deprive the consumer of the right to warranty.

The composite board cladding is a decorative element. It cannot be used as a building insulation layer / moisture barrier.
The installation must be based on a structure that complies with building regulations. If a vapour barrier is used, it should be of the breathable type and must be placed behind the joists to allow the boards a minimum airflow of 20 mm. **Always consult a contractor before installation.**

Do not install boards in case of precipitation or temperatures below 5°C.
All boards and profiles should be acclimatised on site for 24 hours before installation.

For cutting Ecotravers components, we recommend using a metal/aluminium circular saw with a fine toothing or diamond finish.

Just like natural wood, composite materials are subject to natural shrinkage and expansion due to changing weather conditions.
It is therefore necessary to remember to leave expansion gaps.

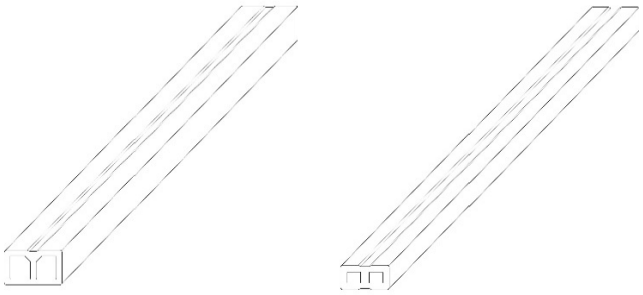
If you have any doubts regarding the installation process, we recommend contacting the Manufacturer or an authorized distributor.

System components

The system consists of the following components

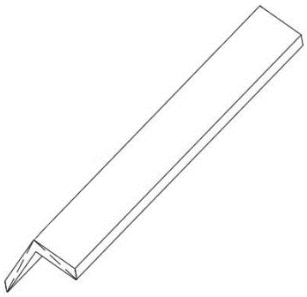
1. Trapezoid Premium Slatted Cladding Board

2. Composite/aluminum joist 20 x 40 mm

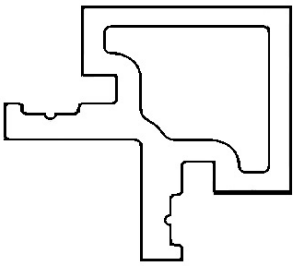


3. Finishing trims

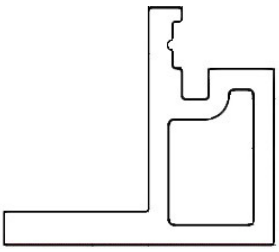
Premium Corner Trim 50x50



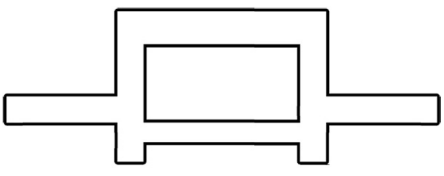
Slatted Cladding Corner Trim



Slatted Cladding F-type Trim



Slatted Cladding Connecting Trim



4. Bit torx T15

List of tools required for installation:

- Miter or table saw – preferably with a metal/ aluminum blade with fine toothing or diamond finish
- Hammer drill with impact for installation of joists to concrete
- Screw gun - for convenience we recommend using two - one for drilling and one for screwing
- Locksmith hammer and rubber mallet
- Level
- Pencil
- Measuring tape
- Drill bit set: 6 mm for concrete, 6 mm for metal and 3 mm for metal
- Screwgun cutter (tapered chamfer)
- Bit torx T15
- Glue (optional)
- Quick-assembly or expansion dowels
- Dowel screws

Substrate: types and preparation for installation

Ecotravers slatted cladding boards should be installed on a previously prepared substrate. The substrate should be flat and strong. The prepared substrate should be in compliance with the applicable law and good building practices.

The instructions apply to the installation of a cladding board on a concrete substrate in a horizontal arrangement. Depending on your needs, the boards can also be installed vertically and on other types of substrate.

Slatted Cladding Boards can be installed on:

- concrete wall
- wooden wall
- openwork Construction
- wall with thermal insulation
- wall insulated with polystyrene foam - spot installation and on the entire wall

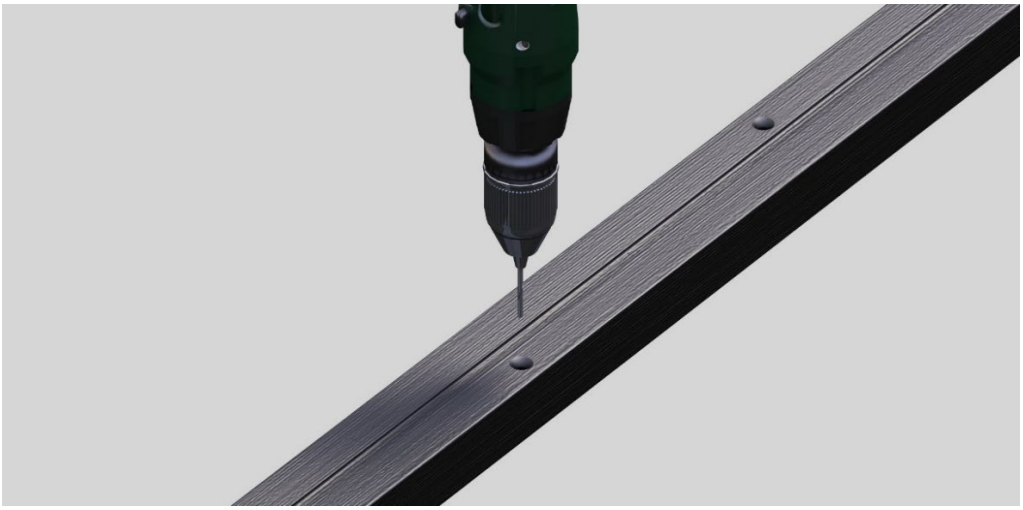
An exemplary installation of a cladding board on a wall with thermal insulation is provided at the end of the instructions.

Joist installation

The joists should be installed using quick-assembly dowels suitable for the wall. The distance between the dowels should be a maximum of 50 cm. The wall should be stable and flat. The joists should be laid in parallel to each other at maximum spacing of 500 mm from their center, with deep grooves on the visible side. Leave expansion gaps of 10 mm between the joist and the ground.

1. Drilling of the joist and milling of the hole

First drill the joist with a 6 mm metal drill, then place the joist against the wall and mark the drill holes in the substrate at approximately 50-60 cm intervals. After removing the joist, drill a hole in the substrate at the marked points. Drill into the joist alternately according to the picture below. Before installing the dowels, the holes must be milled with a countersink.



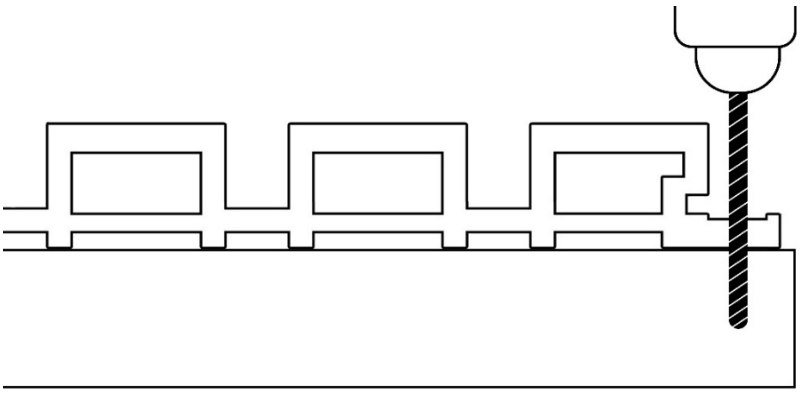
2. Joist installation to the substrate with quick-action dowels

The joist should be installed to the substrate using quick-fastening dowels. The choice of dowels depends on the type of wall material and the thickness of the insulation.

Cladding boards installation

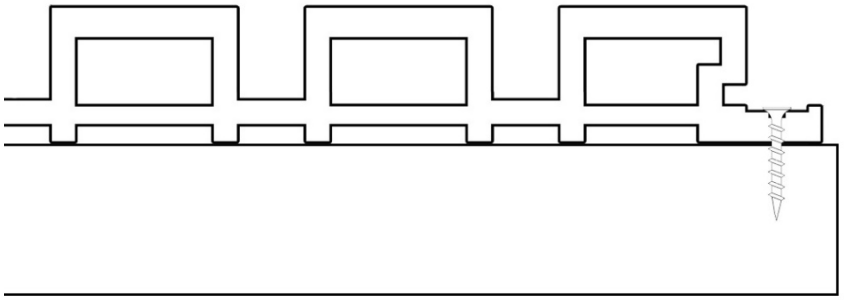
1. Drilling the joist and the board

Before installation, a guide opening needs to be drilled with a 3 mm diameter metal drill into the board and joist, to approximately half the depth of the joist. Failure to drill the joist may result in faulty installation of the clip and its uneven adhesion.



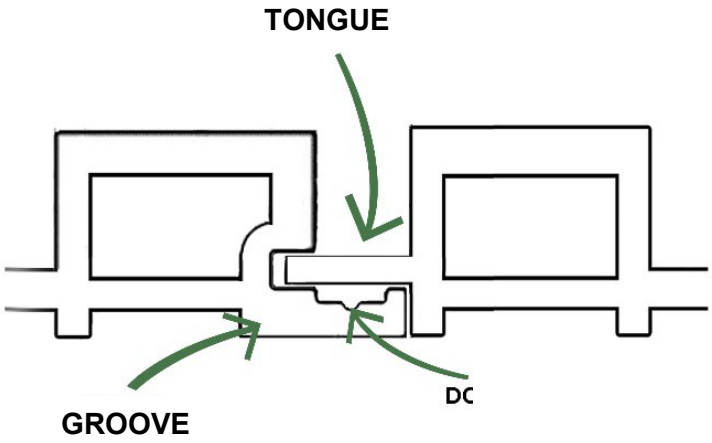
2. Installation of the first board

The boards are installed to the joist construction with the help of screws.



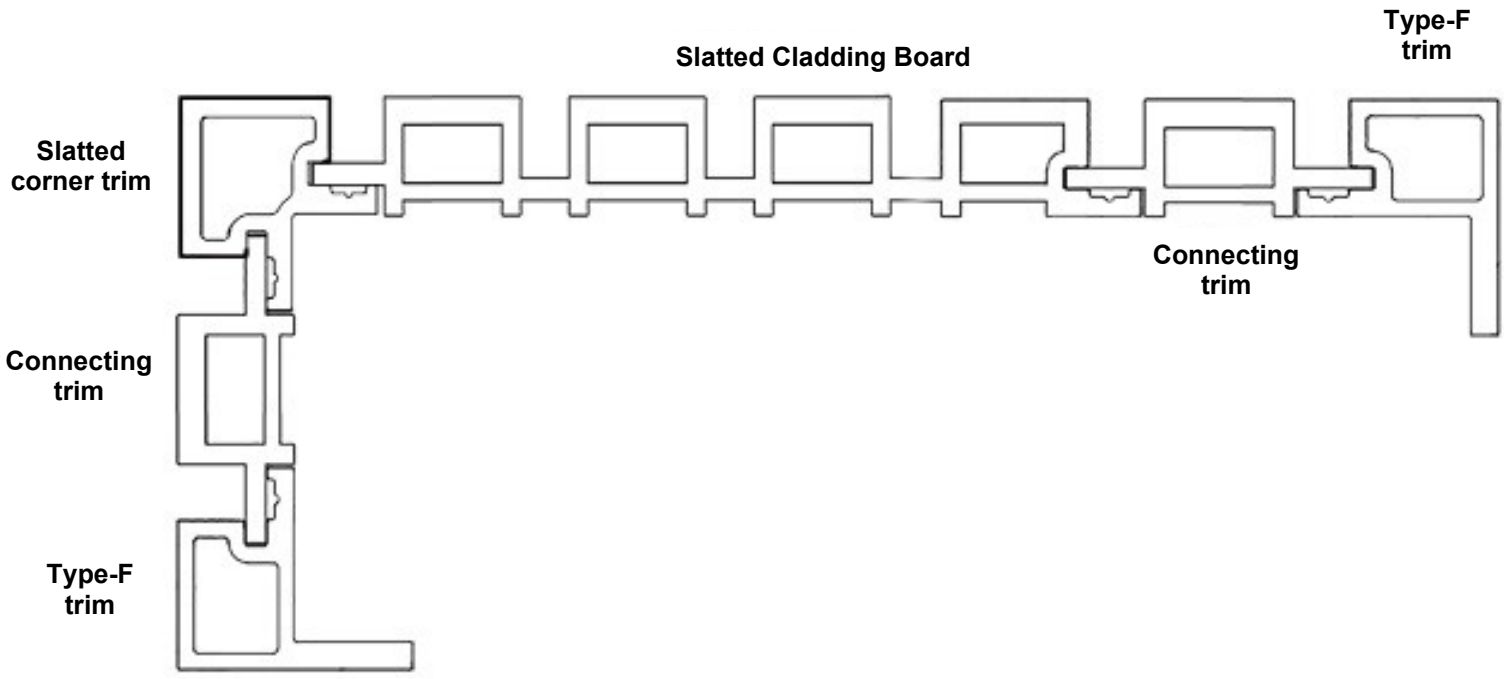
3. Installation of consecutive boards

Each consecutive board should be installed after the previous one has been screwed in place.



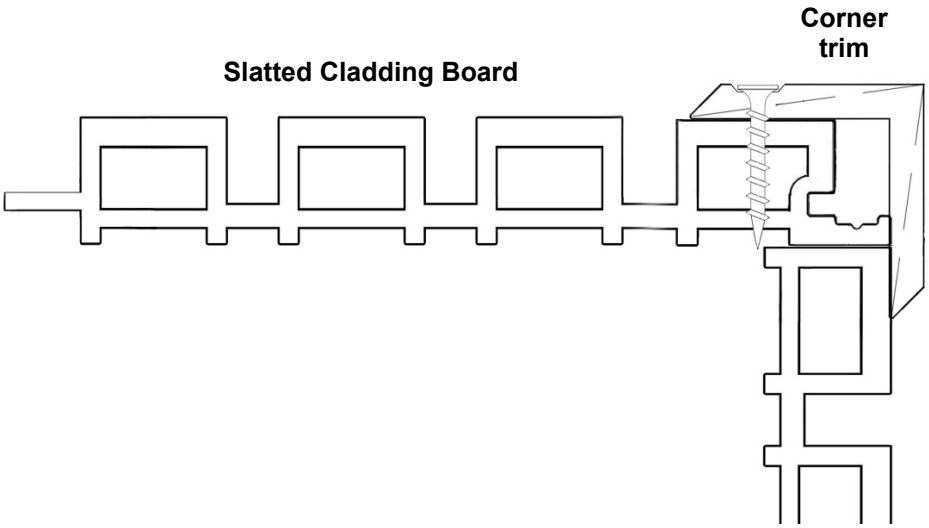
Installation of trims

We recommend that the trims are installed with the assistance of an additional person. For non-standard skirting installation, the installation hole must be drilled and milled in advance. Failure to drill may result in the trims breaking.



Corner trim 50 x 50

Place the trim against the board, then drill holes from above in the trim and board with a 3 mm diameter metal drill. Countersink the holes using a cutter (countersink). Failure to drill may result in the trim breaking.



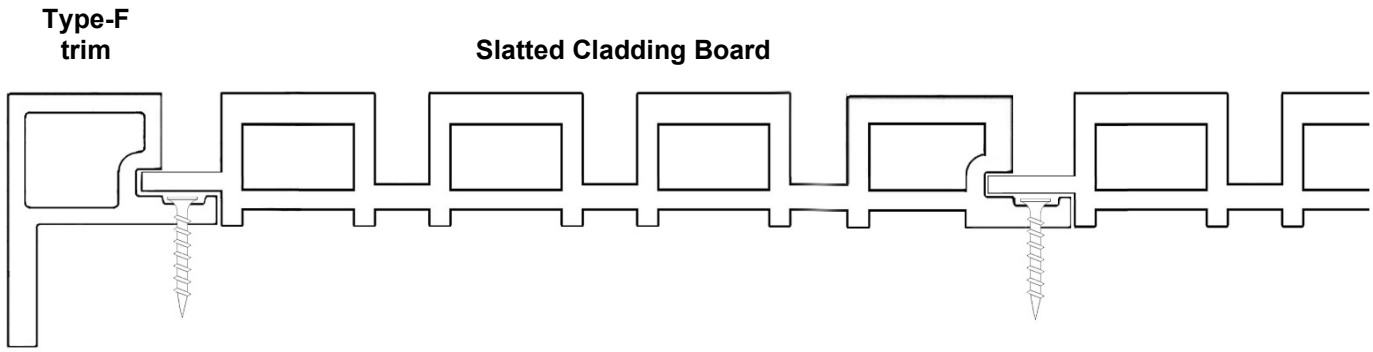
Install screws on a medium setting every 350 mm. Maintain a minimum expansion gap between two trims.

Starting/finishing Slatted Cladding F-type Trim

The F-type starter/finishing trim has a groove on one side. It is installed to the joists with screws in the same way as the slatted boards. If required, a connecting strip can be used between the board and the trim.

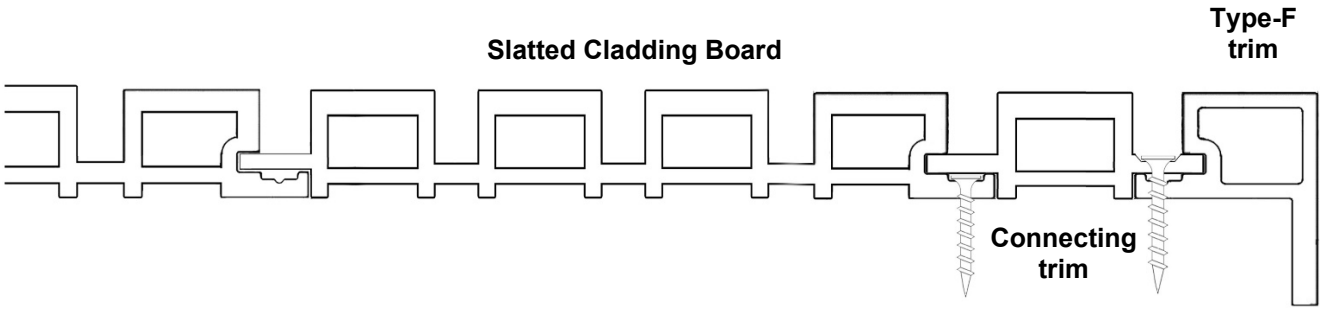
Use of the F-type trim as a starter trim

1. Before installing the trim, place it on the joist and drill a hole with a 3 mm diameter metal drill in the target location. Then screw the trim to the joist with screws.
2. Once the trim has been installed, the next cladding board can be installed.



Use of the F-type trim as a finishing trim

1. To install the F-type trim on the side of the groove, a connecting strip is required.
2. After screwing on the last board, install the connecting strip and then the F-type trim.
3. Finish the installation with a screw between the F-type trim and the connecting trim. Remember to pre-drill the hole and to mill.

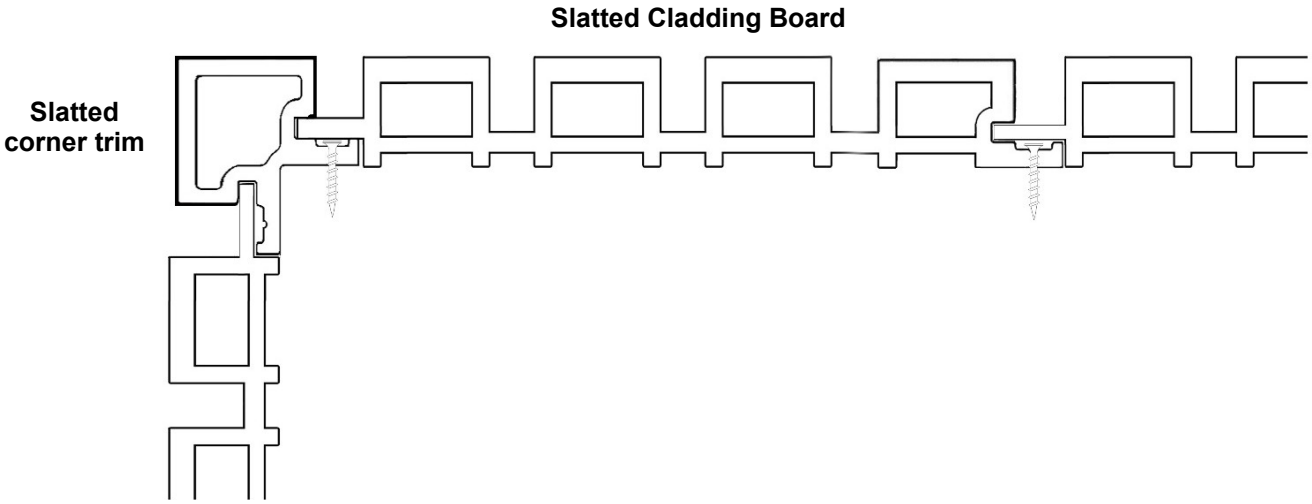


Slatted Cladding Corner Trim

The corner trim is grooved on both sides. It is fixed to the joists with screws in the same way as the slatted boards. If required, a connecting strip can be used between the board and the trim.

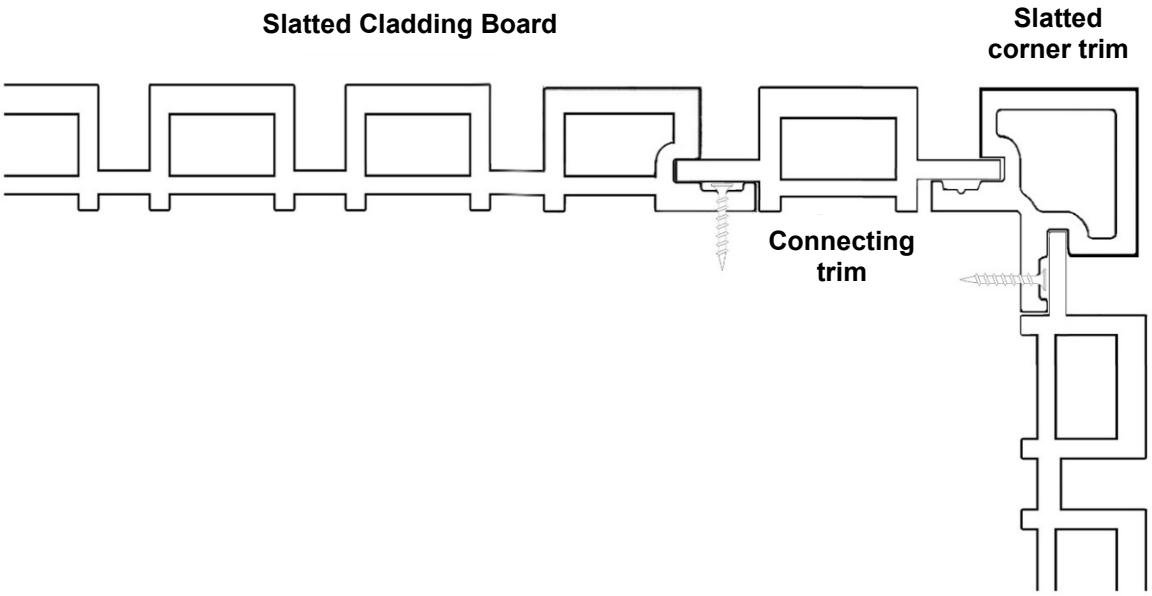
Starting with the corner trim

1. Before screwing the trim, place the trim on the joist and drill a hole with a 3 mm diameter metal drill in the target location. Then screw the trim to the joist with screws.
2. Once the trim has been installed, the next cladding board can be installed.



Use of a corner trim as a finishing strip

1. To install the corner trim on the groove side, use a connecting trim.
2. After screwing on the last board, install the connecting strip and then the corner trim.
3. The corner trim is only required to be screwed in on one side.
4. Once the trim has been installed, the next cladding board can be installed.



Allowing for Expansion Gaps

When installing composite façade boards, it is essential to allow for appropriate expansion gaps. These gaps enable the material to expand and contract naturally due to changes in temperature and humidity, helping to prevent warping, cracking, or other damage.

Expansion gaps at board joints (lengthwise)

When joining boards lengthwise, please ensure the following:

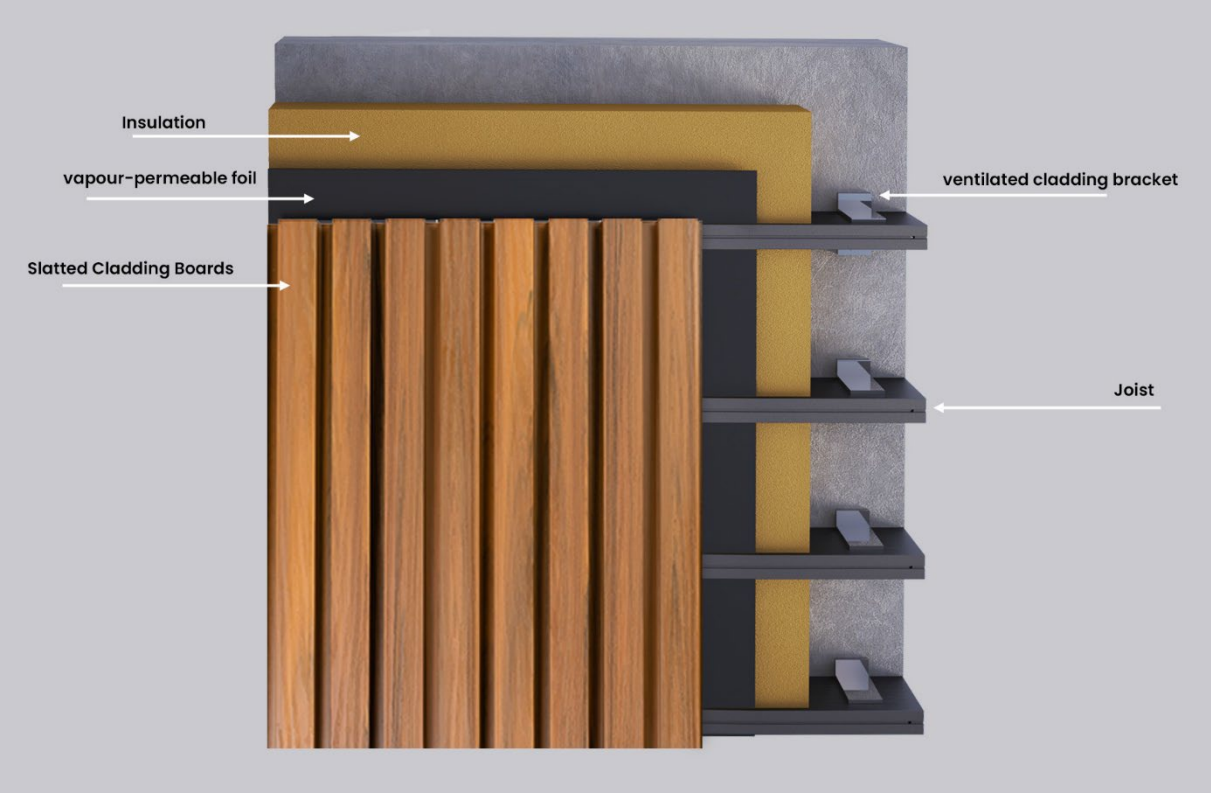
- Leave a gap of at least 2 mm for every 1 running meter of board length;
- Use a double substructure – the ends of the boards must rest on separate joists and be fastened with separate screws or clips.

Expansion gaps near fixed elements

At the connection points between boards/joists and fixed construction elements (e.g., walls, ceilings, floors, roofs), **a minimum expansion gap of 10 mm** must be left to allow free movement of the material.

Installation with thermal insulation

Composite joist should be intalled using ventilated cladding brackets directly to the substrate every 50 cm. After mounting the brackets place insulation material between them. On the insulation layer place vapour-permeable foil, so that it can release water vapor. Then we install the joists on the foil and screw them to the brackets.



After that you can mount cladding boards – make sure to follow previously presented installation instructions.

Interior decorative installation

For indoor installation, installation on joists is not required. The boards can be screwed directly to the substrate or to wooden laths.

Do you have any questions or concerns about installation?

Get in touch with us – we're happy to help!

✉ kontakt@ecotravers.com
🔗 www.ecotravers.com