EcoTravers®

INSTRUCTIONS FOR THE INSTALLATION

the cladding board of the
premium composite lamella
Ecotravers Tokada

www.ecotravers.pl

EXTERNAL INSTALLATION

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Thank you for your trust and purchase of our products. Before commencing with the work, read the entire manual.

Safety measures

Installation should be carried out by specialized construction companies. Ecotravers is not liable for any loss or damage to the product resulting from faulty installation. The installation not following the instructions set forth below deprives the consumer of the right to the warranty.

The boards should not be installed during rainfall and at temperatures below 5 degrees C. Before commencing with the installation, all boards and profiles should undergo 24-hour acclimatization in the place of installation.

For cutting the elements produced by Ecotravers, we recommend using a fine toothed or diamond cut metal / aluminum circular saw.

Like natural wood, composite materials are subject to natural shrinkage and expansion due to changing weather conditions, so remember to leave an expansion joint..

System Elements

The cladding system consists of the following elements:

Premium Lamella Cladding Board - Length 2900

- Antique Premium
- Grey Premium
- Redwood Premium
- Teak Premium

1. Joist - Length 30x50mm or 20x40mm depending on your needs.

2. Angle masking strip
    a. Premium Antique Angle Composite Strip
    b. Premium Grey Angle Composite Strip
    c. Premium Redwood Angle Composite Strip
    d. Premium Teak Angle Composite Strip
3. Torx bit T15

List of tools necessary for assembly

- Miter saw or table saw - preferably with a metal / aluminum blade with fine toothing or diamond finish.
- Hammer drill for the assembly of concrete joists
- A screwdriver - for the convenience of installation, we recommend the use of two screwdrivers - one for drilling and the other for driving
- Spirit level
- Pencil
- Measure
- Set of drill bits: 6 mm for concrete, 6 mm for metal and 3 mm for metal
- Screwdriver cutter (conical chamfer)
- Glue (optional)
- Quick-assembly pins
- Screws for dowels

Types and preparation of the surface for assembly

Cladding boards The laths should be installed on the previously prepared surface. The substrate should be flat and durable. The substrate should comply with applicable laws and with the construction practice.

The instruction applies to the vertical installation of the Lamella cladding board on a concrete substrate. Depending on the needs, the boards can also be installed horizontally and on other types of ground.

Lamella cladding boards can be installed on:

- a concrete wall
- a wooden wall
- an openwork structure
- a wall with thermal insulationa wall insulated with polystyrene - point installation and on the entire wall.

Installation of joists

Joists should be installed using quick-mounting dowels adequate for the substrate. The distance between the pins should not exceed 500mm.

The substrate should be stable and flat. The joists should be placed parallel to one another at maximum intervals of 350 mm from their center, with deep grooves upwards. 10 mm wide expansion gaps should be left between the joist and the ground..

Installation of boards

1. **Drilling the joist and milling the hole**

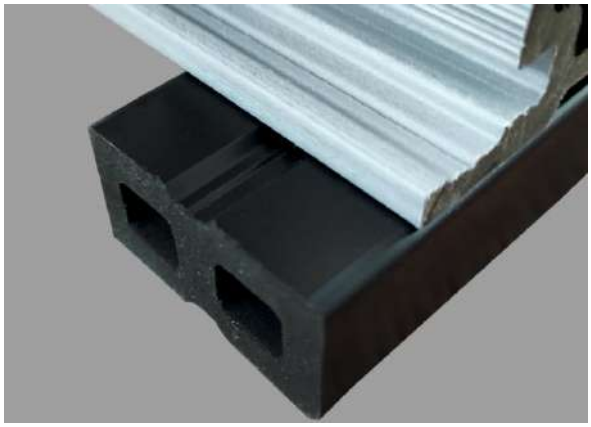
First of all, drill the joist with a 6 mm metal drill, then place the joist against the wall and mark the drilling location in the substrate. After removing the joist, drill a hole in the substrate at approx. every 500-600 mm. Drill the holes in the joist in an alternating manner, as indicated in the picture above. Before installing the dowels, the holes should be milled with a countersink.

2. **Mounting the joist to the ground with quick-mounting dowels**

The joist should be mounted to the ground using quick-mounting dowels 6 x 60 mm or 6 x 80 mm, depending on the needs.

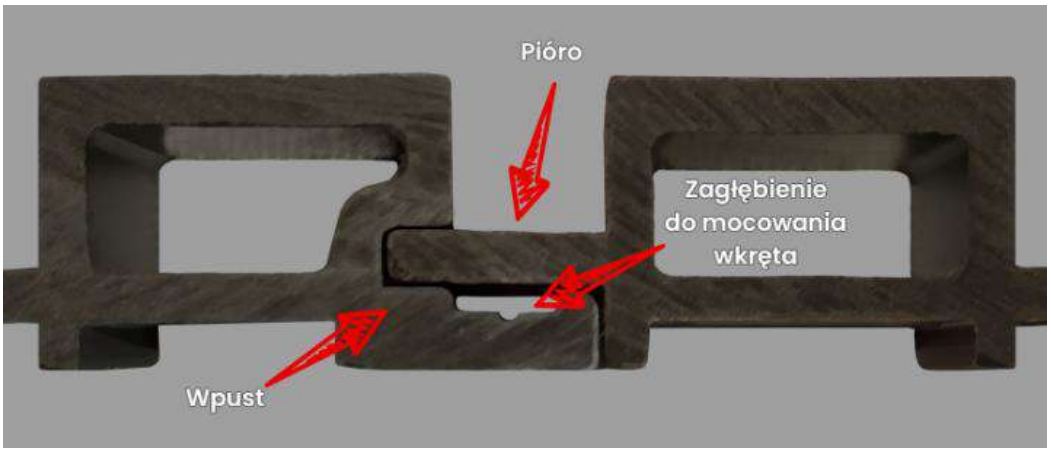
3. **Screwing the board**

The boards are attached to the joist structure with screws. Prior to screwing, make a leading hole with a 3 mm metal drill in the plank and in the joist, to about half the depth of the joist. Lack of drilling may result in faulty installation of the board and its uneven adhesion.



4. **Installation of other boards**

The boards have a tongue and a groove with a hole for placing the screwing. The method used here is concealed installation without visible screws.



5. **Finishing with a corner strip**

We recommend installing the finishing strip with the assistance of an extra person. Place the batten on the board, and then drill the holes in the batten and in the board from above with a metal drill bit with a diameter of 3 mm. Countersink the holes with a milling cutter (countersink). Failure to perform the drilling may result in the cracking of the boards. Install the screws on the medium coupling at a distance of approx. 350 mm. There must be minimum dilatation between the two battens.

Decorative installation inside the building

When performing installation in the interior, installation on the joists is not required. The boards can be screwed directly to the substrate or to wooden slats.