

**Prodema®**  
Made to last wooden Products

**Prodema head office and plant**

B° San Miguel, s/n • 20250 Legorreta  
Gipuzkoa (SPAIN)

T.: (+34) 943 80 70 00

F.: (+34) 943 80 71 30

E: [prodema@prodema.com](mailto:prodema@prodema.com)

[www.prodema.com](http://www.prodema.com)

INTHELINE®

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NEW

**ProdEX**  
exteriors by Prodema®

NEW PRODUCTS

**Prodema**

mounting systems:

fixed louvers  
clapboard façade

**Prodema®**  
Made to last wooden Products



# fixed louvers

**Prodema** launches its new products for mounting systems.

Up to now, **ProdEX** panels could be mounted with different systems:

Exposed fixing with screws or rivets .

Concealed fixing with hanging profiles.

Concealed fixing with gluing system.

The result of our commitment to continual innovating and offering wood-based architectural solutions is the development of two new mounting systems: **the fixed louver and the clapboard façade**.

A new world of architectural possibilities in natural wood, for architects and building technicians looking for something different and unique in their projects, creating and recreating nature, even in the smallest details of the building.

**Prodema** presents its new collection for façades, developed in line with current trends in the architectural market to offer a product that provides sustainable sun and energy control for the building while providing a highly attractive aesthetic which combines functionality, modernity and elegance.

The louvers are designed to control the incidence of sunlight in buildings, creating comfortable environments and intimate interiors, while the natural **Prodema** wood provides personality and unique qualities to the façade.



## advantages

☉ **Sun protection.** The louvers help control the entry of sunlight into buildings, in places where the sun shines more directly. They also prevent rainwater from entering while still allowing air to flow naturally, thus providing good ventilation and adequate light.

☉ **Optimization of energy consumption.**

The reduction in sun radiation directly affects energy consumption by considerably reducing the use of air conditioning in summer.

☉ **Quality of life.** Sunlight control, as well as providing major energy savings, also ensures good quality of life for the building's inhabitants, both at work and at home, providing comfort and optimum temperature and lighting conditions.

☉ **Natural beauty.** **Prodema** fixed louvers provide the quality that only natural wood can convey, thanks to the richness of its tones and range of colors that take building design to a new level.

☉ **Guaranteed resistance and durability.**

Our **ProdEX** panels used in the fixed louvers offer excellent resistance to weathering, providing color stability three times higher than regulatory requirements. They also withstand sharp temperature and humidity changes, from -20 °C to 80 °C, without losing their mechanical properties or original appearance.

☉ **Simple installation.** **Prodema** fixed louvers can be easily mounted by just one person. A simple system that opens a world of possibilities.

☉ **Cost savings.** The easy installation of the fixed louvers offers significant savings in assembly time and labor, as well as in maintenance, which is minimal.

☉ **Sustainability and integration with nature.** Thanks to the essence of our product, natural wood, and a firm company policy of environmental commitment, **Prodema** louvers are now a real alternative in sustainable construction, as well as providing energy savings.



2 ml. PROFILES



**Prodema** supplies slats for use as louvers or brise soleil in three standard widths: 86, 94 and 114 mm; the length is always 2,440 mm with a thickness of 10 mm. Depending on the project requirements, these slats can be cut to the required length at the factory or on site.

BASE PART FOR  
INCLINED FIXED  
LOUVERS (30°)



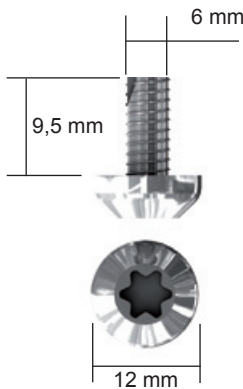
BASE PART FOR  
STRAIGHT FIXED  
LOUVERS (0°)



BASE PART

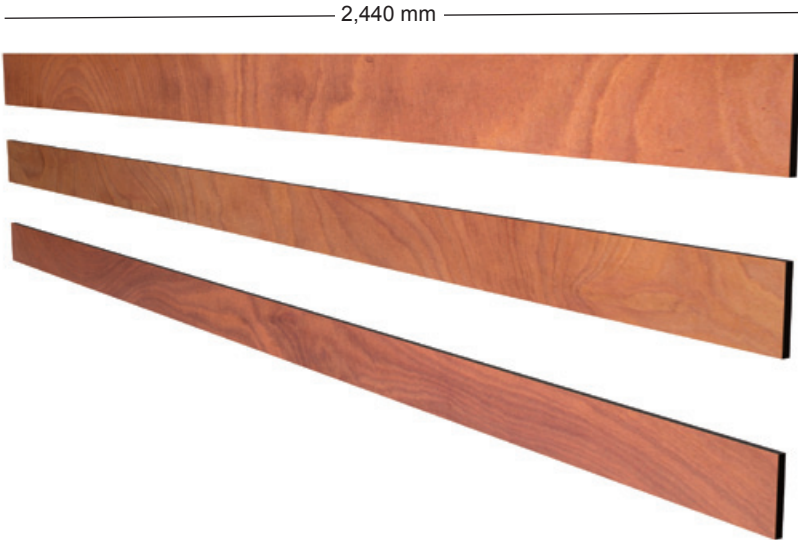


SCREW  
TB-A2 TX 30



SLATS IN 3 DIFFERENT WIDTHS

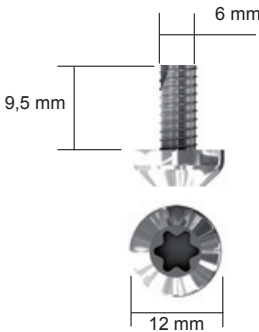
86, 94 y 114 mm  
thickness: 10 mm



Attachment parts are fixed to the back of the **ProdEX** parts supplied by **Prodema** to anchor the louvers to the sub-structure.

Each **ProdEX** louver should have three parts attached on the back, two at the edges (maximum 40 mm from the edge) and a third in the geometric center of the part. Install the base parts to the **ProdEX** slats, using the 9.5 mm long TB-A2 TX 30; always leave 2 mm of material between the end of the hole and the side of the louver facing outwards.

SCREW  
TB-A2 TX 30



BASE PART

SCREW  
TB-A2 TX 30

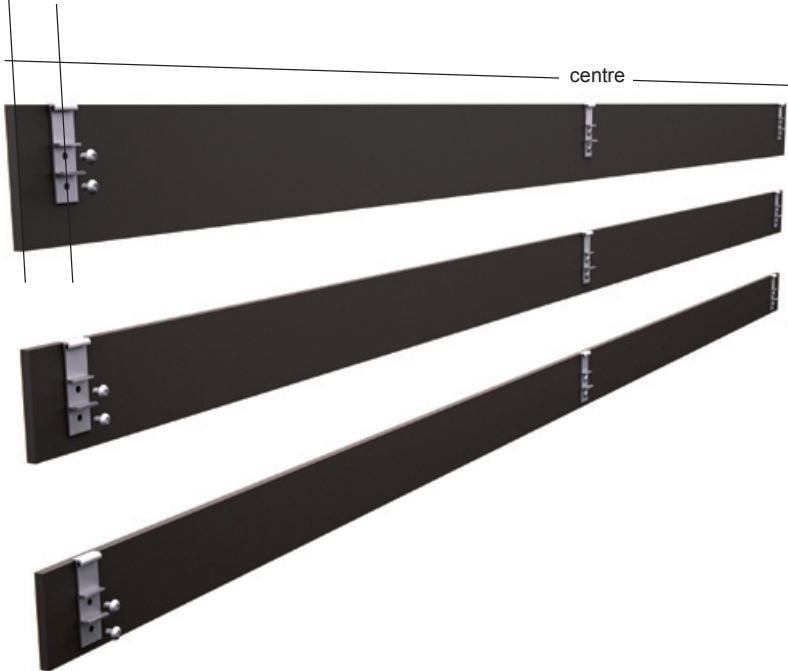


BASE PART



maximum distance  
edge - axis: 40 mm

centre



\*For mobile louvers, contact **Prodema**.

## Preparing the sub-structure

The sub-structure should be installed following Prodema's technical instructions, respecting at all times the minimum distance for ventilated façades, starting gaps, façade crowning, etc. (Consult technical specifications in the ProdEX catalogue).

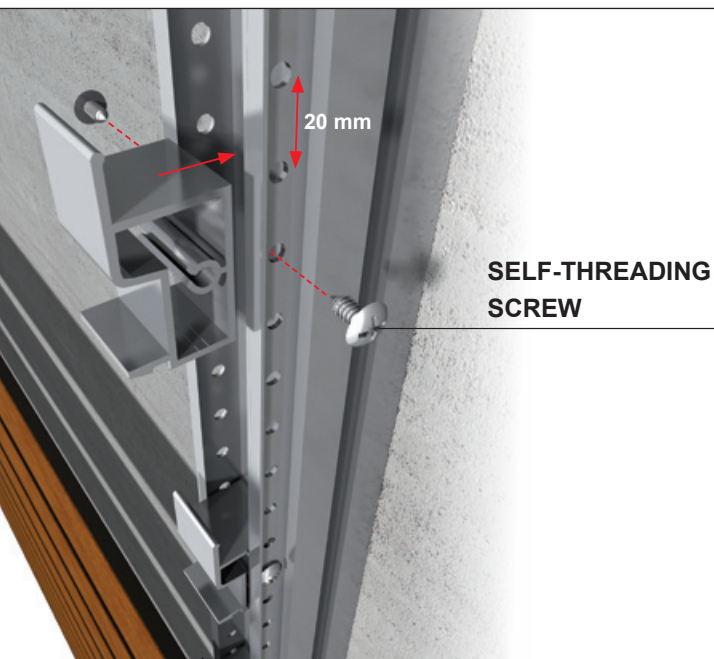
The first step is to install the 2 ml. strips. For uneven façades, L60 or L100 support legs for aligning the strips should be used. Depending on the type of louver to be installed (vertical or horizontal), the position for installing these profiles will vary: vertical for horizontal fixed louvers and horizontal for vertical fixed louvers.

It is very important for these profiles to be well aligned one with the other at all times, as a mistake in leveling and/or alignment of these profiles will be transferred to the louver itself.

Installation of profiles for **vertical** fixed louvers



Installation of the **anchoring part**



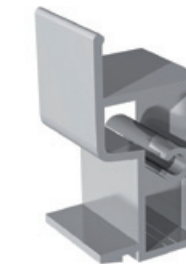
**SELF-THREADING SCREW**

The parts for anchoring the **Prodema** fixed louvers, now ready for installation, must be attached to the special profiles once they have been mounted. These parts are anchored to the profiles using two self-threading screws (one on each side). It should be stressed that the profiles are supplied with the holes already made, to mark the distance of 20 mm between louvers. Although this is the standard distance, profiles can be supplied with a modified distance for special projects.

## Installation of fixed louvers

Once the louver and sub-structure are ready, all that is left is to click the parts into place and thus complete the installation. This step is very quick and simple, streamlining the installation and reducing the time required.

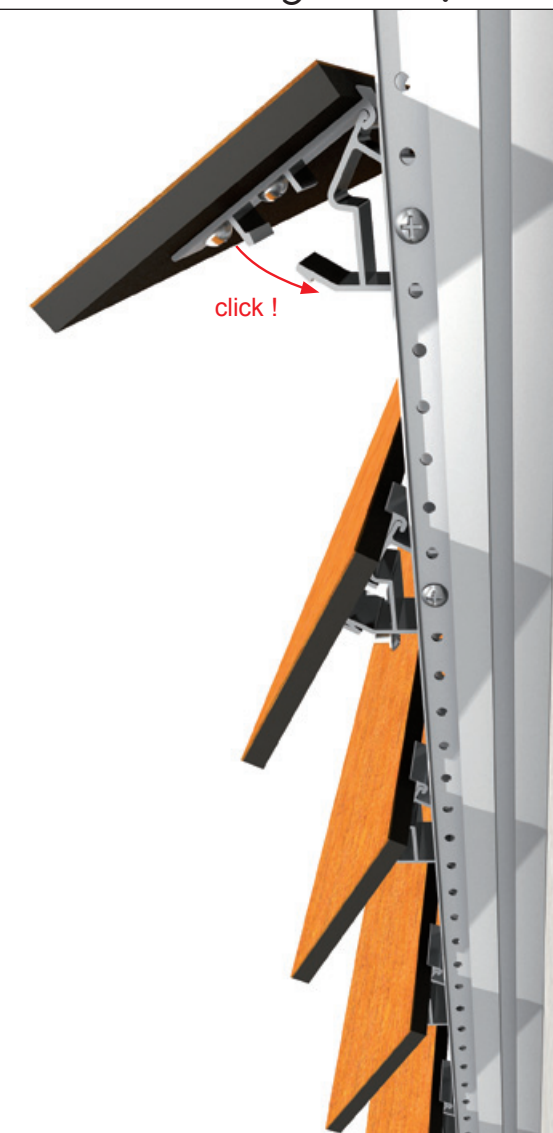
**BASE PART FOR STRAIGHT FIXED LOUVERS (0°)**



**BASE PART FOR INCLINED FIXED LOUVERS (30°)**



Installation of fixed louvers **at an angle** to the façade (30°)





vertical louver



before

horizontal louver



before



# clapboard façade

Clapboard houses are like country cottages: there is something romantic about them and they emulate a lifestyle that brings together and condenses everything that is good about town and country.

A country, clapboard style has developed that has spread to several countries. New suburban estates adopt the style and personality of country houses. People prefer them. Inspired by nature and environmental concern, these types of houses are calm refuges in contact with the outdoor environment.

They have a special charm: enduring, emotional, almost rural. They reflect the concept of an ideal home designed for a better quality of life.





**MACHINED SLATS FOR CLAPBOARD FAÇADES**

Maximum size 290 mm. (For bigger dimensions, please contact **Prodema**).  
Thickness: 8 mm



**ANCHORING PART FOR SLAT**



**DETAIL OF SLAT MACHINING**



First of all, a standard sub-structure is used, i.e. one for installing normal panels. Steel, aluminum, wood or strips of other materials may be used, as usual leaving a freely ventilated air chamber of 20 mm. (**See technical specifications in the ProdEX catalogue**).

steel, aluminum,  
wood strips



For 2,440 mm slats, the strips should be 60 mm wide with a distance of 612 mm between them.  
For smaller slats, see our **ProdEX** catalogue (p. 52).

612 mm      612 mm      612 mm      612 mm

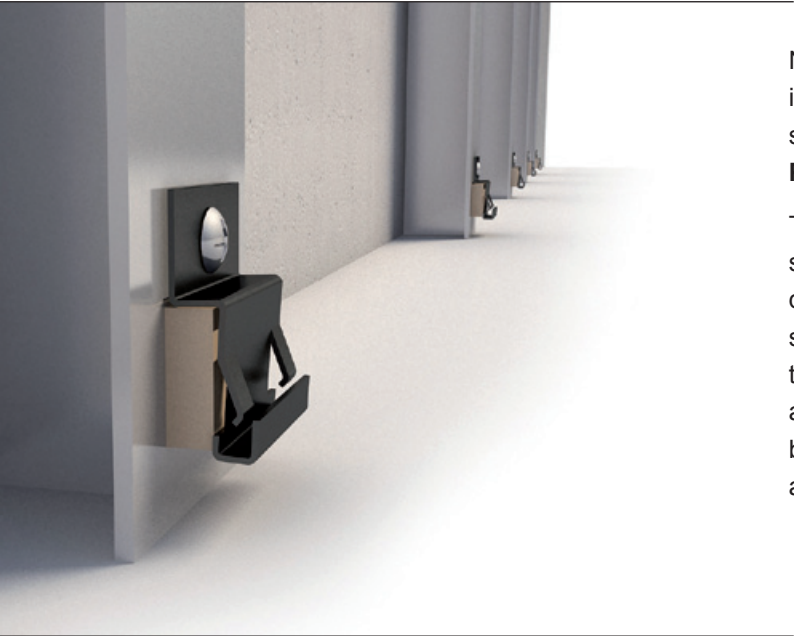


60 mm

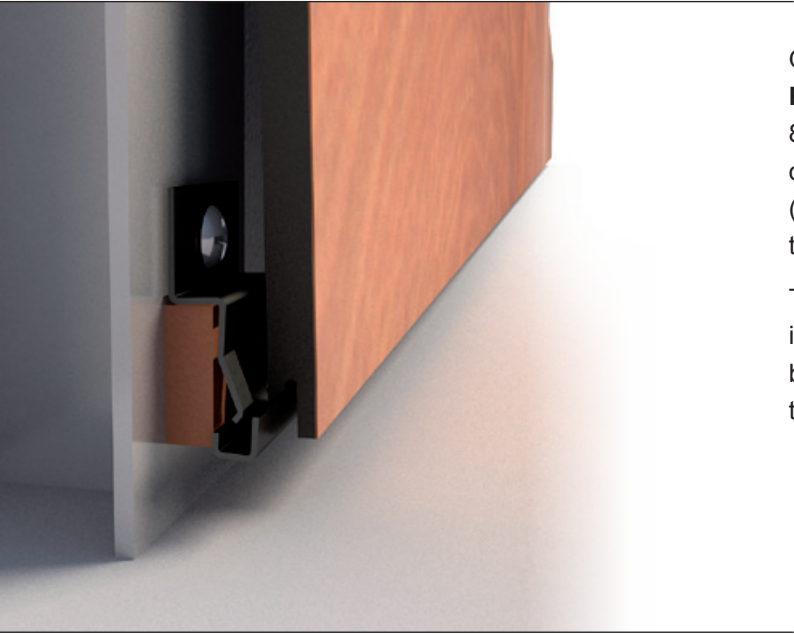
CORRECTLY ALIGNED



Installation of the first **ProdEX** parts



Installation of the first **ProdEX** parts



Installation of the first **ProdEX** parts



## Step 1

Next, the parts that anchor the boards must be installed. These parts are new, made of stainless steel and lacquered in black, and will be supplied by **Prodema**.

These parts are installed by screwing them to the supporting strip (choose the most appropriate screw depending on the type of strip: wood, steel, etc.), starting at the bottom of the façade and making sure that all the parts are correctly aligned as the boards are supported on them. We recommend inserting a block (e.g. made of wood) at the back of this part to act as a stop.

## Step 2

Once the first line of parts has been fitted, the first **ProdEX** part can be inserted. In this case, this is 8 mm thick **ProdEX** material with a maximum height of 290 mm, i.e. no part can be more than 290 mm wide (the length is not important, as this is adjusted to suit the product).

These parts are machined for perfect insertion into the installed steel parts, with the board held in place at the bottom. **Prodema** supplies the slats cut and machined to match the project measurements.

## Step 3

The third step involves anchoring the **ProdEX** parts at the top. To do this, the same stainless steel part is used at all times.

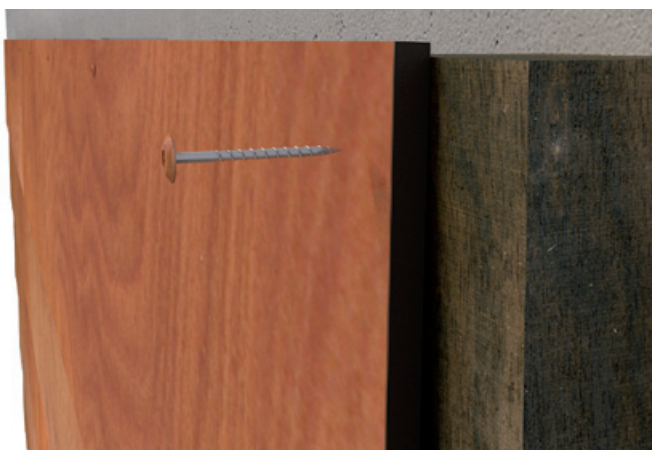
Once the first board has been anchored, all that is required is to keep repeating these three steps to install the façade panels.

## Step 4

Finally, the top panels are completed with traditional **Prodema** screws or rivets.

To choose the most appropriate screw or rivet, please consult **ProdEX** catalogue.

Installation of the first **ProdEX** parts



## 3 installation patterns

