

Palmex Installation guide – Collection Original

Installation on an existing roofing

The roofing and its components shall comply with local or national building regulations in force. The installation shall comply with Palmex installation procedures.

1) Recommended roof slope: 30 degrees or higher.

2) Spacing between rows of leaves:

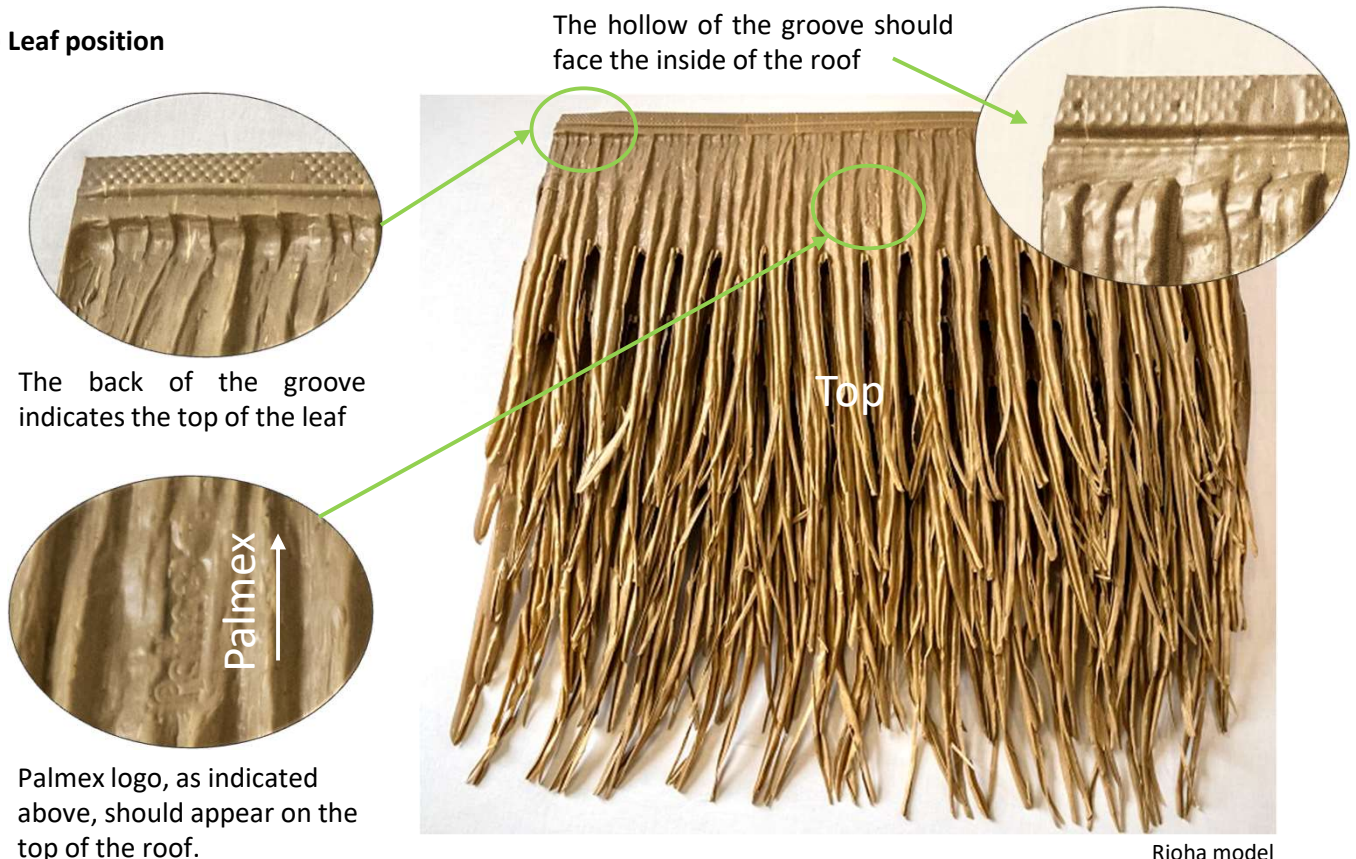
Spacing	Qty of leaves/m2	Slope	Validity of waterproofness warranty
5.5 inch	7	30° & +	Yes without rails
6.5 inch	6	41° & +	Yes without rails
8 inch	5	-	No

3) Fasteners:

Fasteners indicated in this document are for illustrative purposes only. It is to the customer's responsibility to select the right fixing tools and hardware material for the type of frame and structure and to make sure that they would resist to the local climate. Palmex International cannot be responsible for the choice of fasteners used to fix Palmex products.

4) Other recommendations: thickness of wood paneling supporting the leaves shall not be less than 15 millimetres. The use of fire-retardant membrane is recommended on roofs over mechanical or electrical rooms.

5) Leaf position

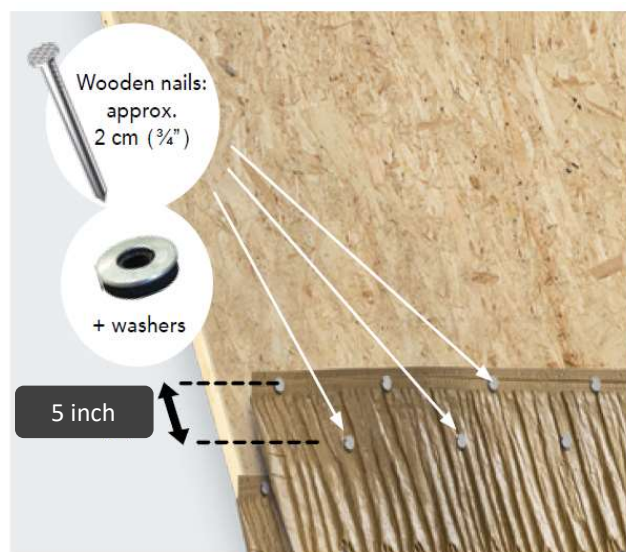
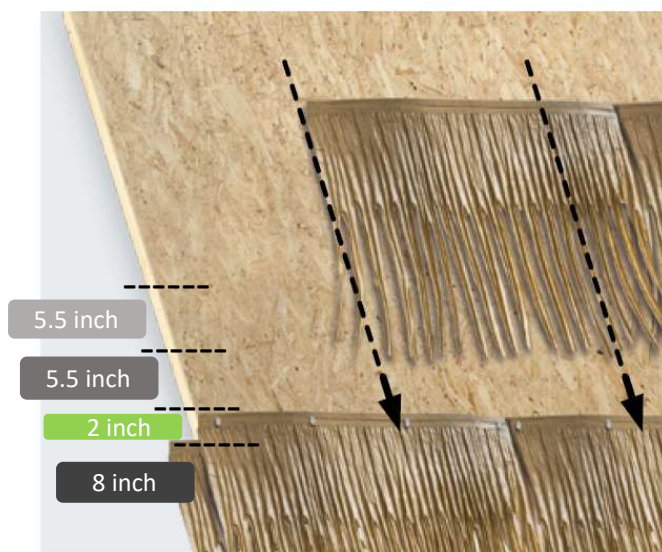


Rioha model

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Installation on wooden panels

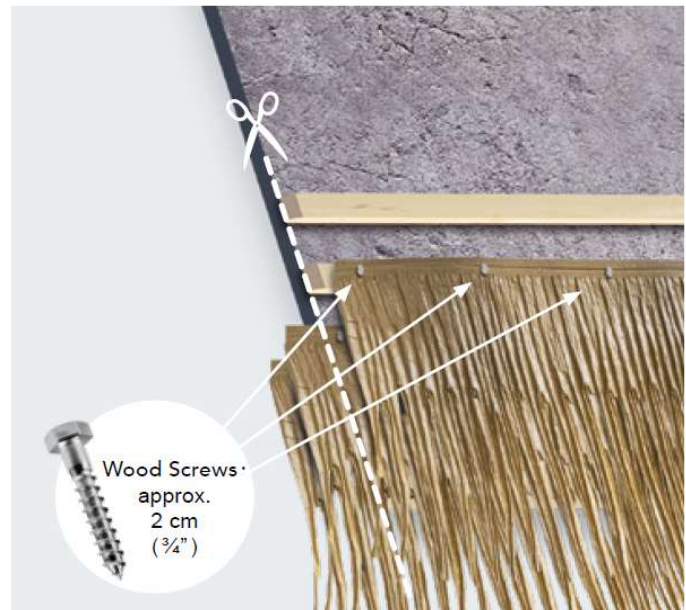
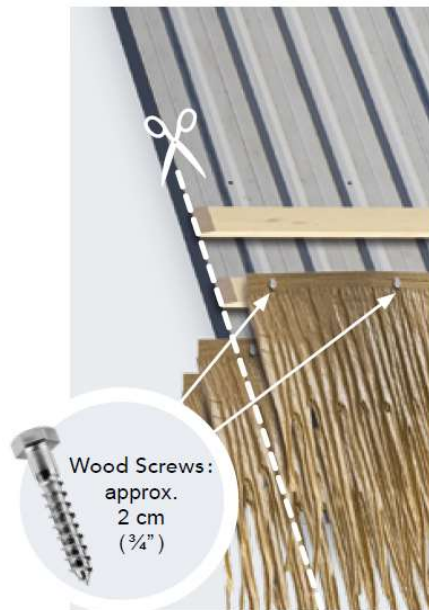
- 1 First row of leaves must be fixed at **8 inch** from the bottom edge of the roof. Second row of leaves must be fixed at **2 inch** above the first one. For the third one and all other rows up to the top of the roof, spacing between rows must **5.5 inch** or **6.5 inch** depending on the roof slope (see table page 1).



- 2 Leaves must always be installed in **staggered pattern** all over the roof so that the junctions between two leaves are always covered by the middle of the leaves from the next row above.
- 3 For a better resistance to strong winds, we recommend adding a row of nails, staples or screws **5 inches** below the top of the leaves in a staggered manner.

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Installation on metal sheeting or concrete

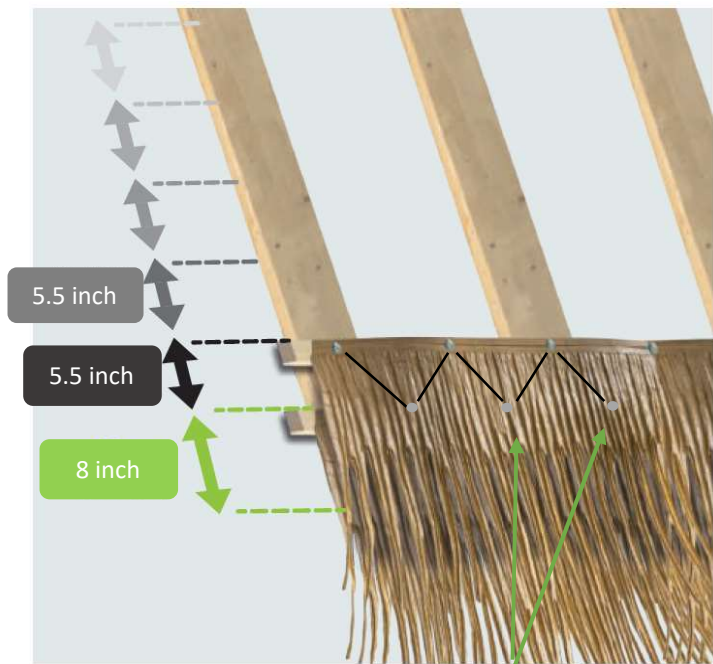


1

We recommend placing **horizontal wooden battens** over existing metal or concrete roofing structures to which Palmex leaves will be nailed, stapled or screwed. This system allows a better air circulation and will lower indoor or under-roof temperatures.

2

- Place the first batten horizontally at **8 inch** from the bottom edge of the roof. Fix **two rows of leaves** to this slat by intertwining the leaf fingers.
- Second batten should be laid at **5.5 inch** from the first one or at **6.5 inch** depending on the roof slope (see table page 1). Fix **one row of leaves** to this slat.
- The third batten and all subsequent ones should also be placed at **5.5 inch** or at **6.5 inch** from each other up to the top of the roof. Fix **one row of leaves** to these slats.
- Leaves must always be installed in staggered pattern all over the roof so that the junctions between two leaves are always covered by the middle of the leaves from the next row above.



- For a better resistance to strong winds, we recommend **adding a row of nails, staples or screws** on the leaves into the batten below in a staggered manner.