

Palmex Installation guide – Collection Original

Installation on an open roof frame

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

1) Fixing rails: when Palmex leaves are laid directly on the roof rafters, Palmex PVC fixing rails could be used (page 2 to 4) or alternatively wooden battens (page 5).

2) Recommended roof slope: 30 degrees or higher.

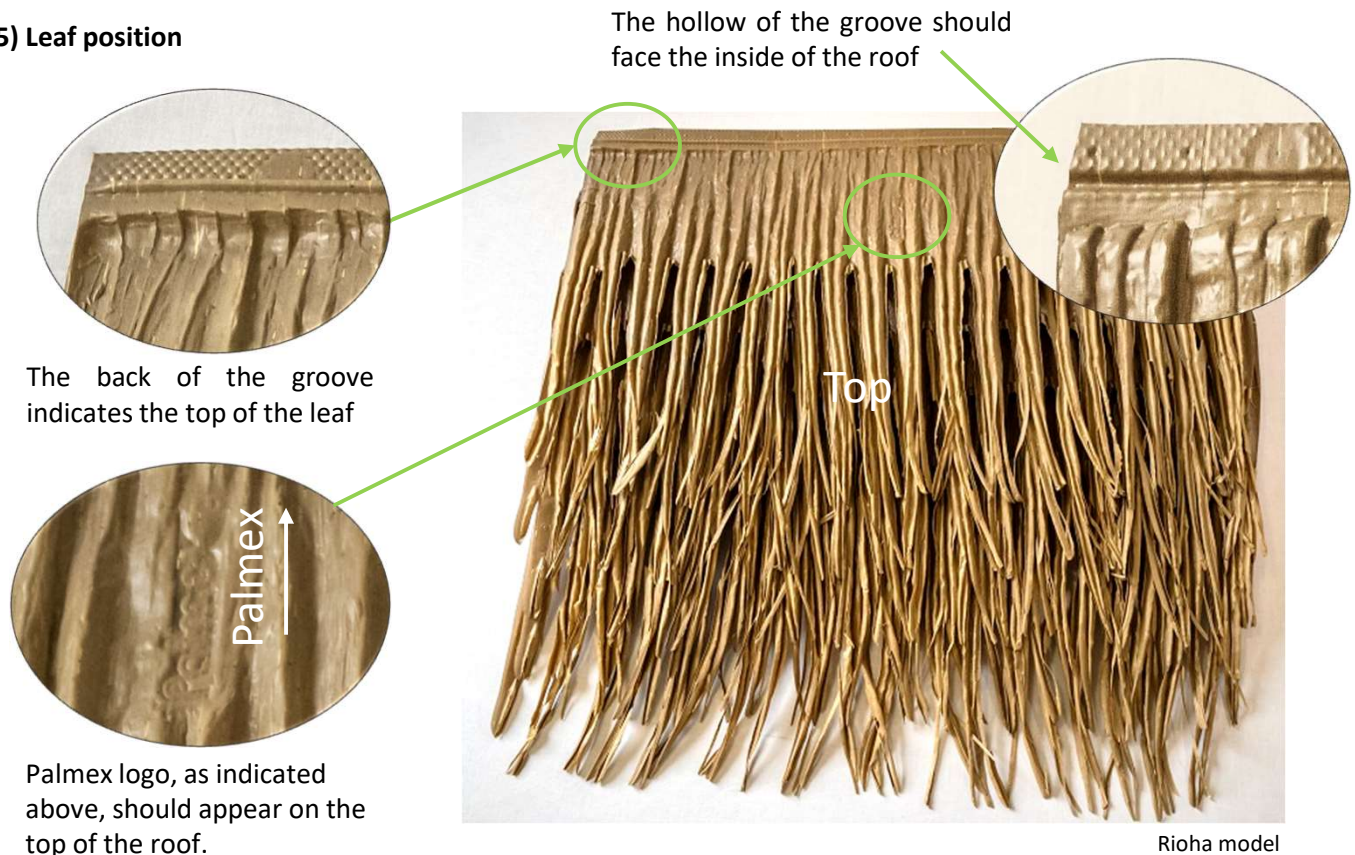
3) Spacing between rows of leaves:

Spacing	Leaf Sq Ft Coverage	Slope	Validity of waterproofness warranty
5 inch	1.25	30° & +	Yes
5.5 inch	1.38	30° & +	Yes without rails
6.5 inch	1.63	41° & +	Yes without rails
8 inch	2	-	No

4) 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.

5) Leaf position



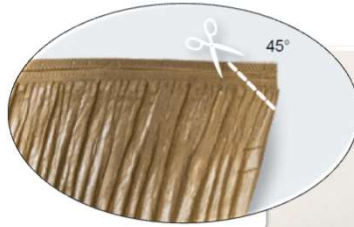
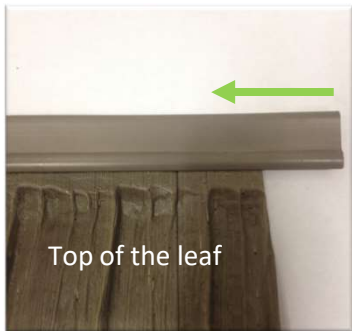
Rioha model

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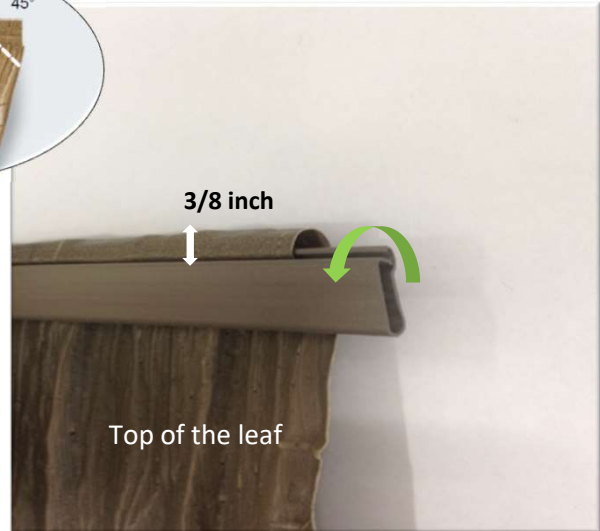
Installation with rails ^{1/3}

1

Sliding leaves into the rails



To insert the leaf effortlessly, you may cut the edge of the leaf at a 45° angle or else use a lubricant



Once the leaf has been inserted into the Palmex PVC rail, fold the rail back towards the top of the leaf keeping a **3/8 inch** space at the fold between the rail and the top of the leaf.

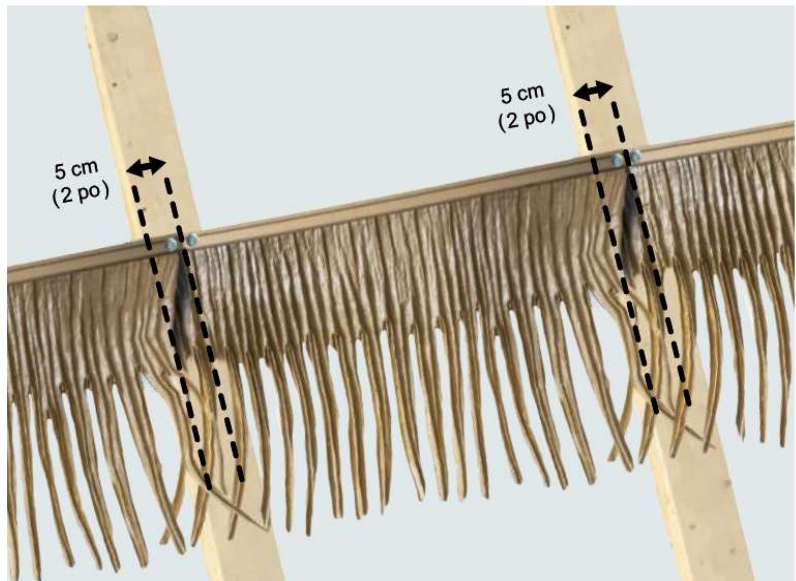


+

Optional: you can fuse the leaves together at the junctions using a heat gun.

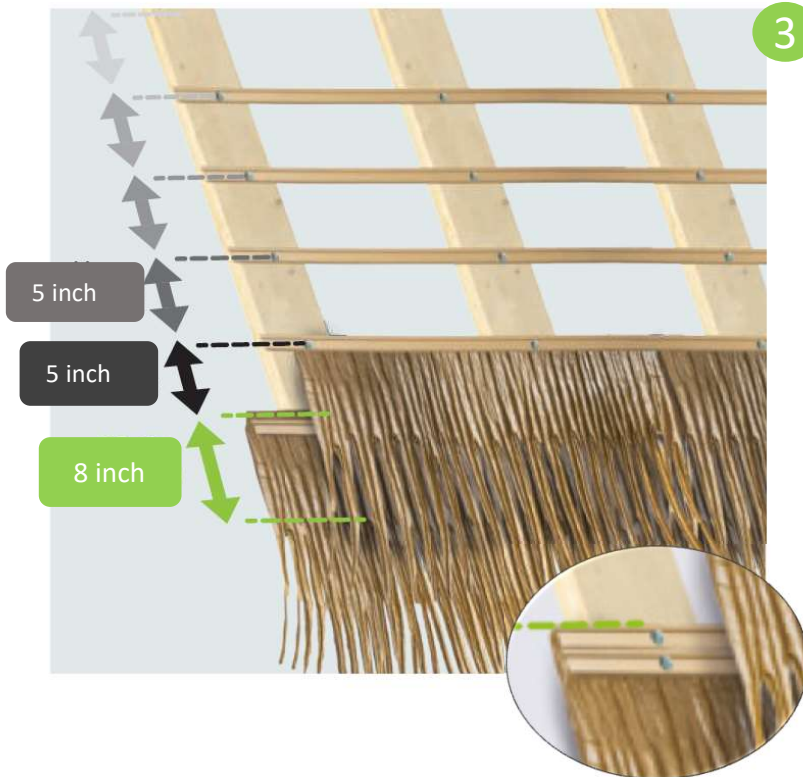
2

At the junction of two rails, insert the leaves from one rail into the opposite one with a leaf overlap **2 inches**.



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Installation with rails 2/3



3

First row:

Option 1: insert **two leaves** into **one rail** intertwining the leaf fingers.

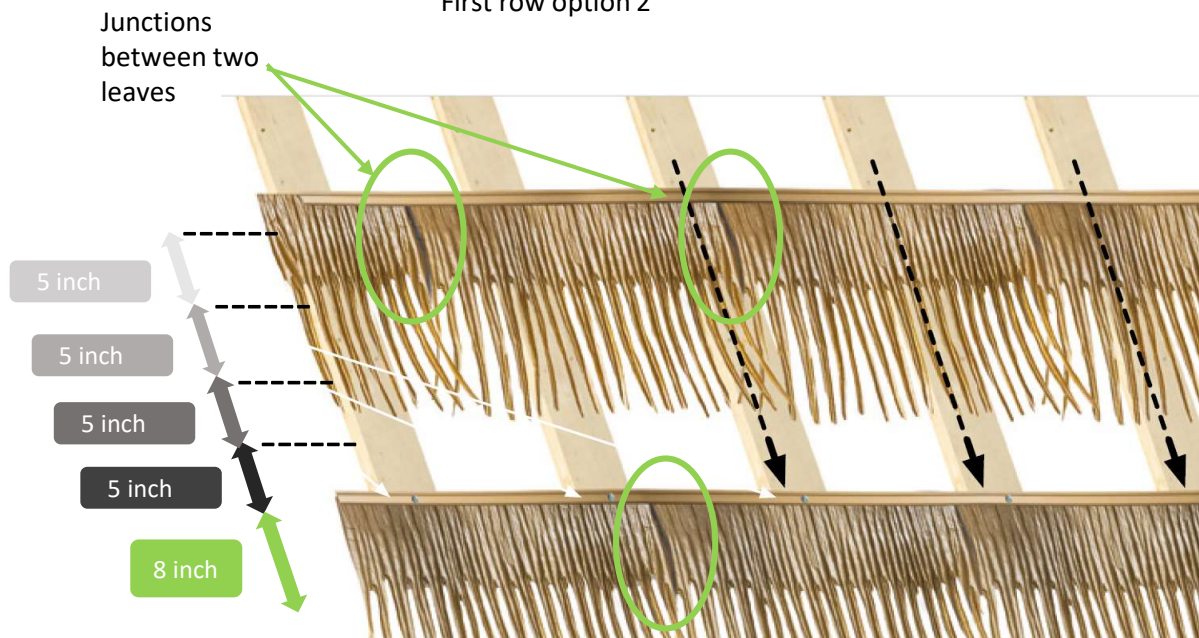
Option 2: insert **one leaf** into **one rail**. Place **two rails** one on the top of the other one, no space in between, intertwining the leaf fingers.

First row of leaves must be fixed at **8 inches** from the bottom edge of the roof.

Second row must be fixed at **5 inches** above the first one.

All other rows up to the top of the roof must also be fixed at **5 inches** from each other.

First row option 2

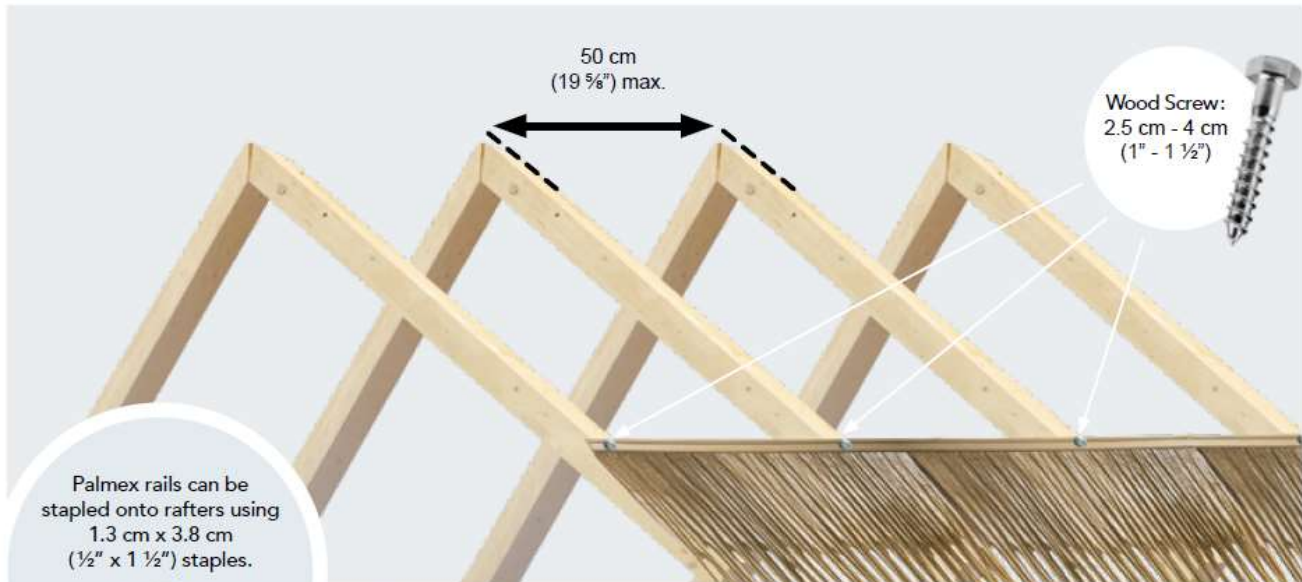


3

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.

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Installation with rails 3/3



PRO TIP

5

Roof rafters should be no more than **19-5/8 inch** apart.

6

Once the leaves are inserted into the rails, screw the rails, folded over the leaves, to each rafter.

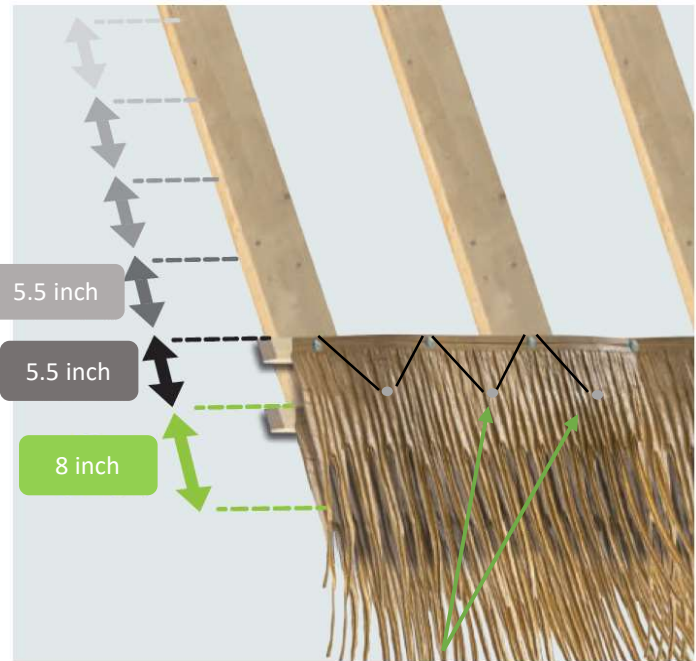


Palmex Installation guide – Collection Original

1

Installation on horizontal battens

- Place the first batten horizontally at **8 inches** 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.

