



TECHNICAL DATA SHEET OF THE SYNTHETIC PALM

HECHO EN
CANCÚN



GENERAL INFORMATION

Our synthetic palm thatch was created to replace the natural materials used in palapa construction and is manufactured in Mexico. The designs are patented as a utility model with the Mexican Institute of Industrial Property (IMPI).

In the manufacturing process, we use virgin high-density polyethylene, UV protection, color additives, and a flame retardant designed to inhibit fire and smoke produced when exposed to a heat source, thus slowing combustion. The raw materials used are manufactured according to ASTM D1922 and ASTM D1238 standards, among others, all of which are applicable to the plastics and polymers industry.

Benefits of Synthetic Palm Thatch



Fire resistance



Tear resistance



Withstands winds of
up to 110 mph



100% Waterproof



Without maintenance



UV protection
No light leakage



Greater thickness



Immune to pests



100% Recyclable

Our synthetic palm comes with a written guarantee; it is the thickest and most tear-resistant of all those on the market, which is documented with verifiable physical tests.

LINE COLORS



Dry leaf



Straw

Note: Due to manufacturing processes, the synthetic palm may have slight variations in tone, weight, and measurements, just as with the characteristics of the natural palm.

SYNTHETIC PALM MODELS



These models resemble the long, woody "grass strands" of natural grass, with the imperfections inherent to its nature, forming the unique vertical hairstyle that the artisans manage to create when they "tie" and join the bundles of grass, obtaining the classic image that characterizes this type of palapa, respecting its unique traditional style.

The weight and dimensions of the standard Caribe 21 and Caribe 26 sheets are as follows:

- Approximate weight per square meter: 3.900 Kg = 8.60 lb
- Sheets per M2: 7 pieces
- Height: 63 cm = 25"
- Width: 78 cm = 31"
- Thickness: 1.3 mm = approximately 0.047"

SYNTHETIC PALM MODELS



The “Tropical” model palm is intended to represent the “fan” style shape of the leaves of the guano palm that is naturally produced and cultivated in the states of Campeche, Yucatán and Quintana Roo, which is in high demand in the tourism industry for the construction of palapas and tropical roofs in the Riviera Maya.

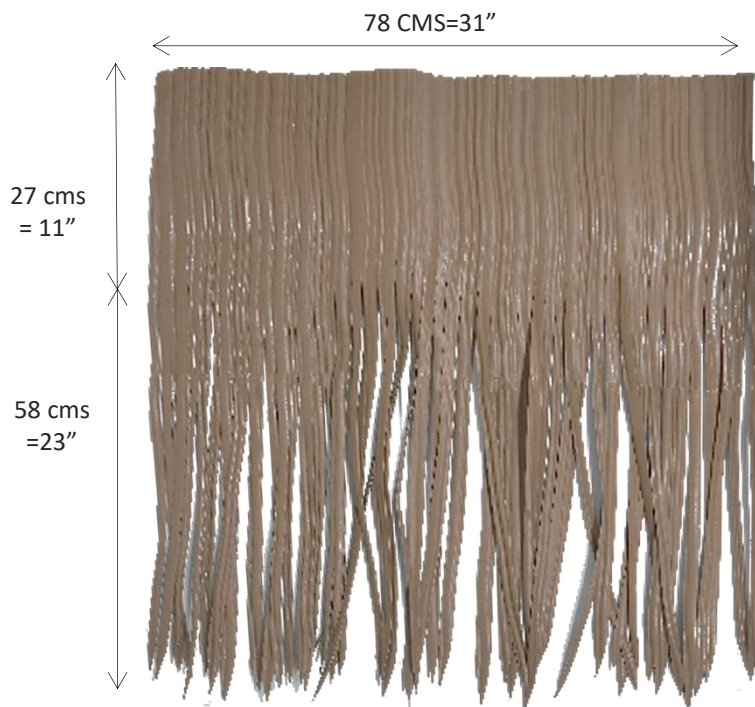


The “Pacific” model palm represents the uniform wavy lines obtained from coconut palms, which are found throughout the Mexican Pacific and are used for the construction of palapas in that region.

The weight and dimensions of the standard “Tropical” and “Pacific” model blades are as follows:

- Approximate weight per square meter: 3.900 Kg = 8.60 lb
- Sheets per M2: 7 pieces
- Height: 63 cm = 25"
- Width: 78 cm = 31"
- Thickness: 1.3 mm = approximately 0.047"

PERIMETER LEAF – LONG LEAF



Placement of the long leaf on the perimeter of the structure to leave the fringe of the palapa longer and create an effect of greater volume.

The weight and dimensions of the universal model long blade are:

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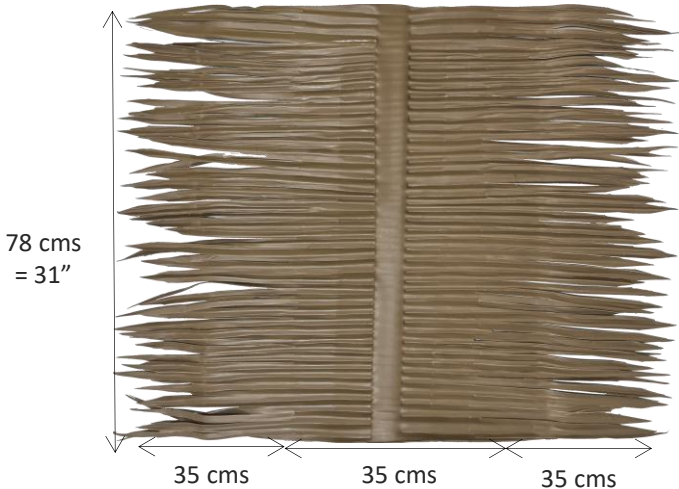
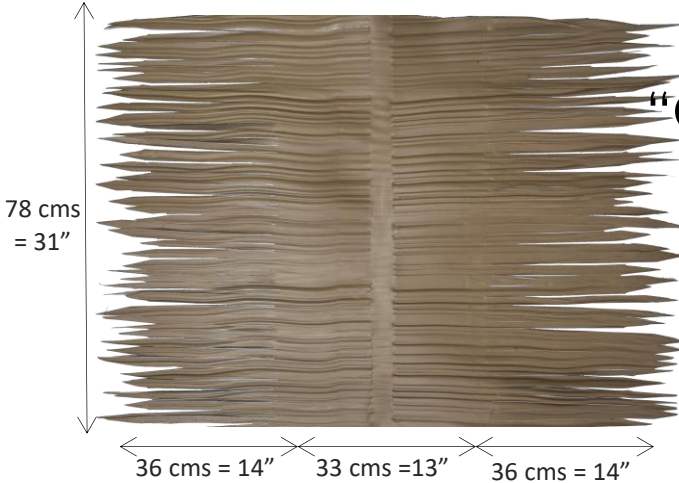
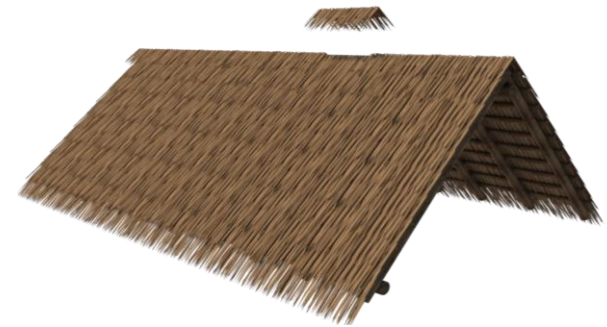
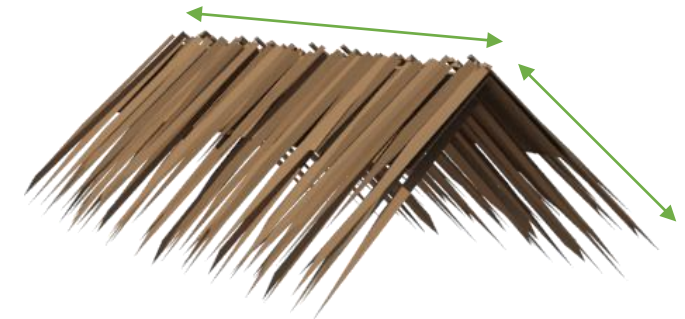
- Approximate weight per piece: 1.00 kg = 2.2 lb
- Coverage per piece: 0.75 m = 0.82 yards
- Height: 85 cm = 34 in
- Width: 78 cm = 31 in
- Thickness: 1.3 mm = approximately 0.047"

RIDGE SPECIFICATIONS

“CARIBBEAN”

Characteristics:

- Thickness: 1.3 mm
= approximately 0.047”
- Approximate weight per piece:
750 g = 1.65 lbs



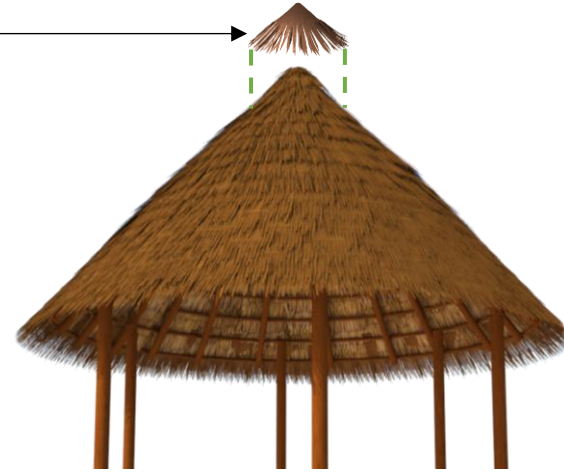
“PACIFIC”

Characteristics:

- Thickness: 1.3 mm
= approximately 0.047”
- Approximate weight per piece:
750 g = 1.65 lbs

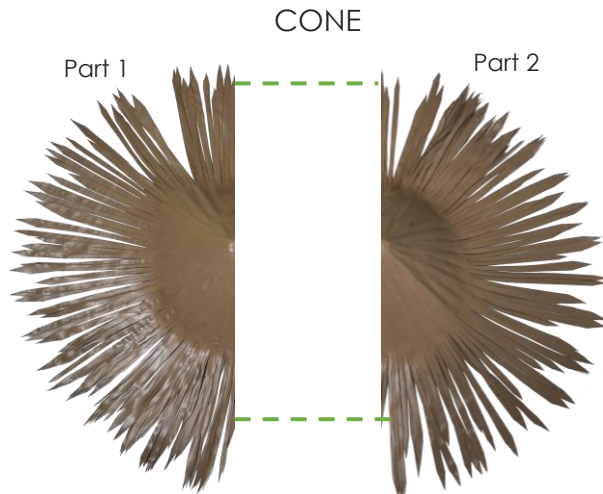
Ridge caps are recommended for finishing palapas with straight ridges and eliminating potential water leaks. The dimensions of all sheets may vary slightly due to manufacturing and cutting processes.

CONE SPECIFICATIONS



Cones are recommended for conical palapas with a 30 to 45-degree incline and are adjustable to the diameter of the palapa's tip, providing an aesthetic finish and ensuring permeability at the tip.

The dimensions of the cones may vary slightly due to manufacturing and cutting processes.



The cone is divided into two pieces, which allows for efficient adjustment and joining at the tip of the palapa, preventing any type of leakage.

FIXING ACCESSORIES

- #8 x 1" Stainless Steel Hex Head Drill Point Screw for Metal Structures
- #8 x 1" Stainless Steel Hex Head Screw with Water Point for Wood Framing



"CARIBBEAN" MODEL SHIPPING PACKAGING

NATIONAL SHIPPING

Cardboard boxes 84 x 64 x 21 centimeters
= 33.1 × 25.2 × 8.3 inches,
Capacity for 84 sheets, equivalent to
approximately 12 square meters = 129
square feet (ft²).
Weight 50 kg = 110 lb



EXPORT SHIPMENTS

Wooden pallet 1.05 x 1.30 x 2.16 m
= 41.3 × 51.2 × 85.0 in
Capacity: 22 boxes of 12 m² = 129 ft²
Each equivalent to 264 m² = 2,841 ft²
Weight: 1120 kg = 1.23 short tons

Wooden pallet

1.05 x 1.30 x 1.95 meters
= 41.3 x 51.2 x 77 inches
Capacity: 20 boxes of 12 m² each
= 129 square feet (ft²).
Equivalent to 240 m² = 2580 square feet (ft²)
Weight: 1,020 kg = 1.124 short tons



A 20-FOOT CONTAINER

Has a capacity for 8 pallets of 264 m² = 2,842 ft²
equivalent to 2,112 m² = 22,736 ft², with an
approximate weight of 9.88 short tons

A 40-FOOT CONTAINER

Has a capacity for 16 pallets of 264 m² = 2,842 ft²
equivalent to 4,224 m² = 45,467 ft², with an
approximate weight of 19.76 short tons

Ridge Caps universal

Cardboard boxes: 1.10 x 84 x 17 cm
= 43.3 × 33.1 × 6.7"
Capacity: 50 ridge caps
equivalent to 36.5 linear meters = 40 yards
Weight: 44.5 kg = 98 lb

Universal cones

Cardboard boxes: 84 x 64 x 21 cms
= 33.1 × 25.2 × 8.3",
Capacity of 23 cones.
Weight 25 kg = 55 lb

SHIPPING PACKAGING MODEL "PACIFIC"

NATIONAL SHIPPING

Cardboard boxes 84 x 64 x 21 centimeters
= 33.1 x 25.2 x 8.3 inches,
Capacity for 63 sheets, equivalent to 9
square meters = 96.88 square feet (ft²).
Weight 38 kg = 84 lb



Wooden platform 1.05 x 1.30 x 1.95 meter
= 41.3 x 51.2 x 77 inches
Capacity: 20 boxes of 9 m² each
= 97 square feet (ft²).
Equivalent to 180 m² = 1937 square feet (ft²)
Weight: 780 kg = 0.86 short tons



Ridge Caps universal

Cardboard boxes: 1.10 x 84 x 17 cm
= 43.3 x 33.1 x 6.7"
Capacity: 50 ridge caps
equivalent to 36.5 linear meters = 40 yards
Weight: 44.5 kg = 98 lb

EXPORT SHIPMENTS

Wooden pallet 1.05 x 1.30 x 2.16 m
= 41.3 x 51.2 x 85.0 in
Capacity: 22 boxes of 9 m² = 97 ft²
Each equivalent to 198 m² = 2,131 ft²
Weight: 850 kg = 0.93 short tons

A 20-FOOT CONTAINER

Has a capacity for 8 pallets of 198 m²
= 2,131 ft² equivalent to 1584 m² = 17,050 ft²,
with an approximate weight of
6,848 kg = 7.54 short tons

A 40-FOOT CONTAINER

Has a capacity for 16 pallets of 198 m²
= 2,131 ft² equivalent to 3,168 m² = 34,100 ft²,
with an approximate weight of
13,696 kg = 15 short tons

Universal cones

Cardboard boxes: 84 x 64 x 21 cms
= 33.1 x 25.2 x 8.3",
Capacity of 23 cones.
Weight 25 kg = 55 lb

SHIPPING PACKAGING MODEL "TROPICAL"

NATIONAL SHIPPING

Cardboard boxes 84 x 64 x 21 centimeters
= 33.1 x 25.2 x 8.3 inches,
Capacity for 56 sheets, equivalent to 8
square meters = 86 square feet (ft²).
Weight 34 kg = 75-5 lb



Wooden platform 1.05 x 1.30 x 1.95 meter
= 41.3 x 51.2 x 77 inches
Capacity: 20 boxes of 8 m² each
= 86 square feet (ft²).
Equivalent to 160 m² = 1.722 square feet (ft²)
Weight: 695 kg = 0.76 short tons



Ridge Caps universal

Cardboard boxes: 1.10 x 84 x 17 cm
= 43.3 x 33.1 x 6.7"
Capacity: 50 ridge caps
equivalent to 36.5 linear meters = 40 yards
Weight: 44.5 kg = 98 lb

EXPORT SHIPMENTS

Wooden pallet 1.05 x 1.30 x 2.16 m
= 41.3 x 51.2 x 85.0 in
Capacity: 22 boxes of 8 m² = 86 ft²
Each equivalent to 176 m² = 1,894 ft²
Weight: 748 kg = 0.82 short tons

A 20-FOOT CONTAINER

Has a capacity for 8 pallets of 176 m²
= 1,894 ft² equivalent to 1.408 m² = 15,155
ft², with an approximate weight of
5.984 kg = 6.60 short tons

A 40-FOOT CONTAINER

Has a capacity for 16 pallets of 176 m²
= 3,788 ft² equivalent to 2,816 m² = 30,310 ft²,
with an approximate weight of
11,968 kg = 13.2 short tons

Universal cones

Cardboard boxes: 84 x 64 x 21 cms
= 33.1 x 25.2 x 8.3",
Capacity of 23 cones.
Weight 25 kg = 55 lb

More information

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