



PRODUCTS 2024



Igan

Sustainable products made with plants for your daily life

Penka® products are manufactured with PolyAgave®, a line of bioplastic composites (all of them biobased) made from cellulose-rich agave natural fibers.

Our products are designed and manufactured in Mexico, with a unique and patented technology.

PolyAgave® is FDA approved, which certifies it can be in contact with food. It is also heavy metal and BPA free, and complies with ASTM D6866, which certifies the biobased content in the composite.

VALUE PROPOSITION





Straws & Stirrers

Wrapped Straws

Bulk Straws

Straws in Retail Box

Wrapped Straws

Biodegradable, reusable and recyclable Straws made with bioplastic and agave fibers.



Wrapped cocktail Straws 5.90"

Thickness: 0.23" (0.6cm) (3,000 pcs per box for 5.90" straws)

Wrapped Straws 8.26"

Thickness: 0.23" (0.6cm) (2,000 pcs per box for 8.26" straws)



Straws Diameters: 0.23"



Bulk Straws

Biodegradable, reusable and recyclable Straws made with bioplastic and agave fibers.



Bulk Straws 5.90" natural & black color

Thickness: 0.23" (0.6cm) (3,000 pcs per box)

Bulk Straws 8.26"

Thickness: 0.23" (0.6cm) (3,000 pcs per box)

Straws Diameters:

0.23"



Straws in Retail Box

Biodegradable, reusable and recyclable Straws made with bioplastic and agave fibers.



Straws retail box 5.90"
natural & black color

Thickness: 0.23" (0.6cm)
(150pc per retail box, 3,600pc per box)

Straws retail box 8.26"

Thickness: 0.23" (0.6cm)
(150pc per retail box, 2,400pc per box)



Straws Diameters:

0.23"



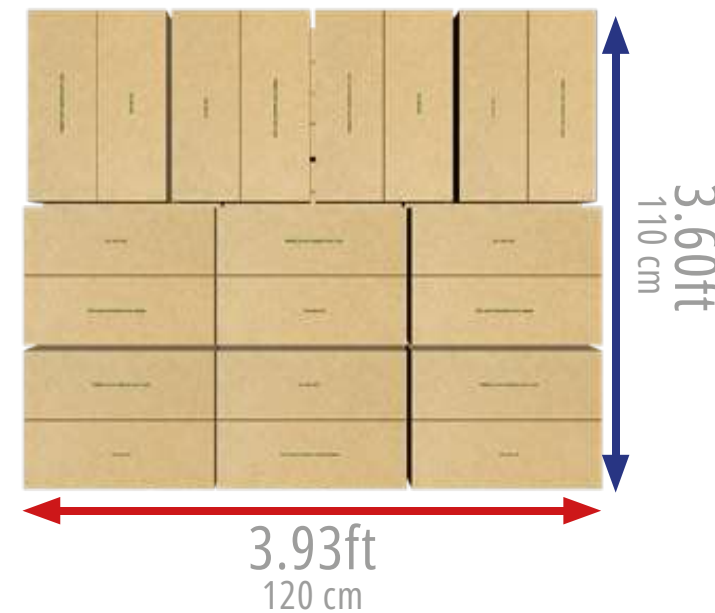
Master cases and pallet disposition

Master case dimensions



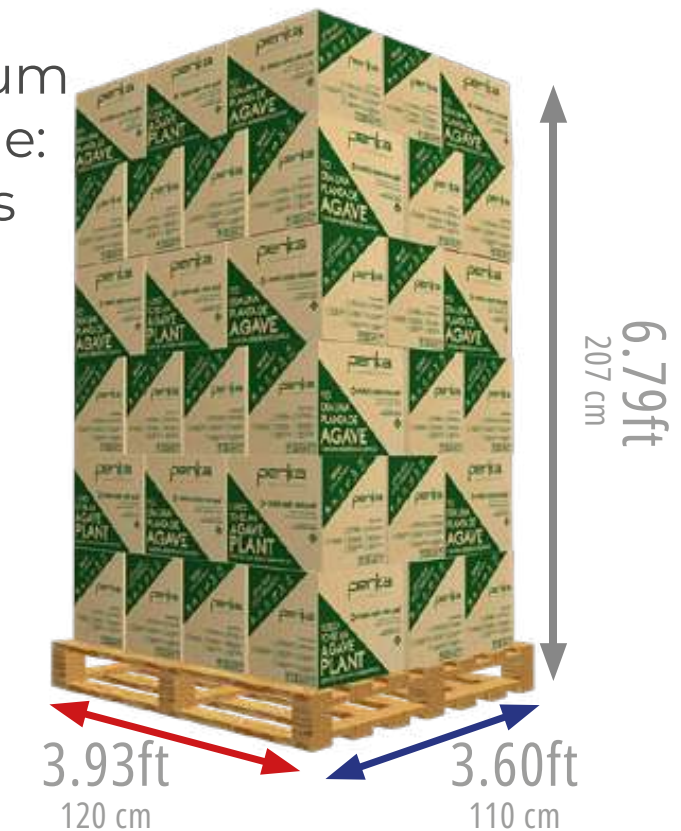
Bed arrangement per pallet

10 boxes
each bed

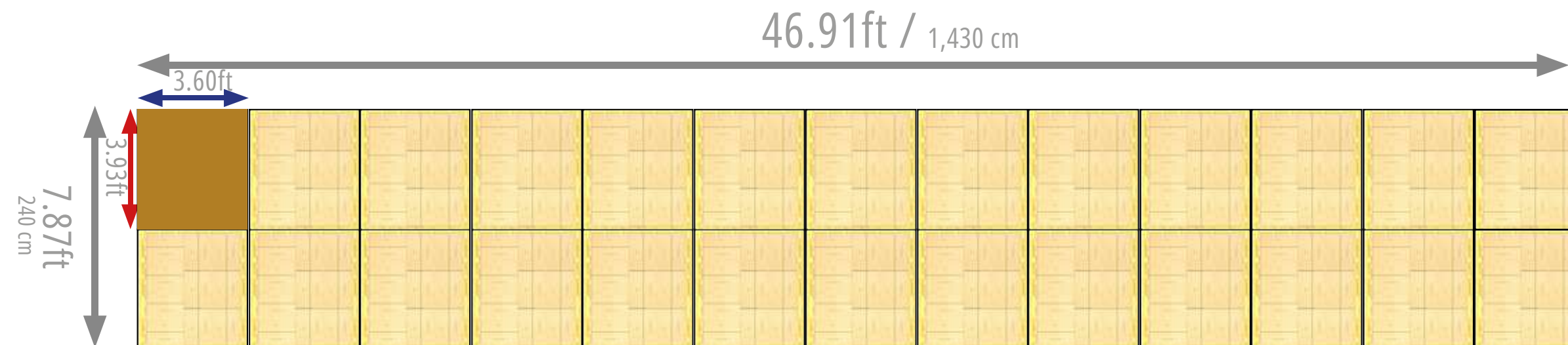


Pallet stowage

Maximum
stowage:
6 beds



53' Container (26 pallets)



PENKA® Agave-Based Biodegradable Straws & Cutlery

PENKA®'s Agave-Based Biodegradable products are certified with the PNK® logo, which validates the elements with which they are manufactured, the content of its natural agave fiber bioplastic compositions, their biodegradability and other characteristics.



HECHO CON
AGAVE

All of our products are manufactured with PolyAgave®, a bio-based bioplastic resin made with agave fibers and biodegradation agents. Our USDA bio based certification, proves the organic content of our material (coming from plants) and complies with Norm ASTM D6866. It is also a compound approved by the FDA as specified in the sections: CFR 186.1673 & CFR 177.1520



PENKA® products are recyclable and biodegradable initiating its biodegradation process after 12 months and taking between 12 and 60 months to complete its biodegradation.



The biodegradation certificate verifies that the product will degrade abiotically in the presence of oxygen. It complies with the following Norms:

- ASTM D6954 to prove in accordance to BSI 8472 requisites of aerobic biodegradation in presence of oxygen and UV rays.
- ASTM D5511 (ISO 15985) to prove anaerobic biodegradation in landfills and biologically active environments and ASTM D6691 for marine atmospheres.



The ability to comply with the requirements of biotic tests (biodegradation) ASTM 6954- 04, has been demonstrated by the molecular weight loss achieved after the abiotic thermal degradation, resulting in the final biodegradation of the material in CO₂, water, mineral salts and biomass.



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Distribuciones Igan, S.L
P.I de Torrefarrera. C/Gregal, 10
25123 Torrefarrera-Lleida (Spain)
Tel: +34 973 75 11 11
www.igan.es



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