



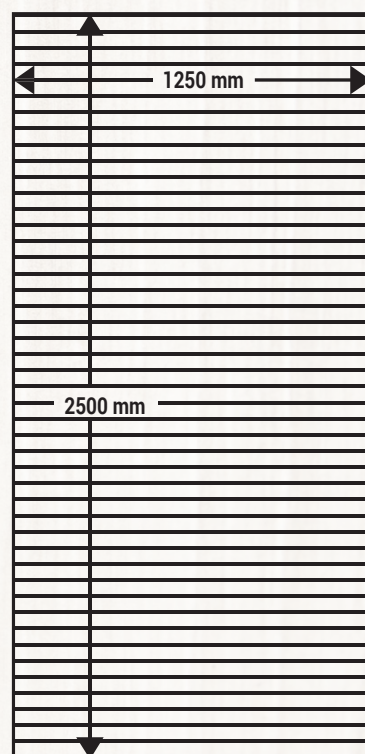
Product & Technical **Data Sheet**

GREEN BLADE VENEER®

Green Blade® is a sliced veneer, assembled without splicing, and is raw and ready for application (1250x2500mm) with a horizontal grain.

APPLICATIONS: Walls, furniture, ceilings, acoustic solutions, doors, lighting, design object, packaging, automotive and more following the creativity of designers and architects.

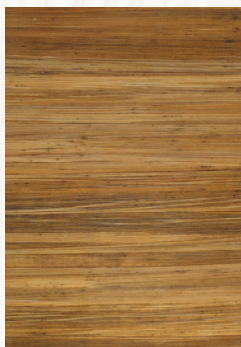
CHARACTERISTICS	GREEN BLADE®
SUSTAINABILITY	Natural, Wood Free, Recycled material, Bio-degradable
COMPOSITION & ORIGIN	100% European Banana trunk sliced available on a non-woven backer or Kraft impregnated paper both FSC certified, designed in France
DIMENSSIONS	1250mm x 2500mm (4,1 x 8,2 ft) or 1270 x 2500 (4,17 x 8,2 ft) under request
THICKNESS	from 0,2 mm to 1 mm depending on substrate
BENDING	0,5mm in both grain direction
FINITION	raw, with varnish or UV oil upon request
GRAIN ORIENTATION	Horizontal (on 1250 mm) or Vertical (on 2500mm)
TRANSLUCENCE	0 – 50%
CERTIFICATIONS	LEED certification (7 points in 3 categories) and FSC for backings
GREEN HOUSE GAZ EMISSION	0,05 CO2eq/ kg
VOC EMISSION	Low



COLOUR RANGE



GRENADA



PORTO RICO



MARTINIQUE



SAINT BARTH



ARUBA



BARBADOS



ANGUILLA



HAVANA



DOMINICA



BAHAMAS



Green Blade® is available raw, without backing on A3 format (297 mm × 420 mm), on non-woven backing FSC certified that keep the material its flexibility and transparence depending on the color and for pressing applications on panel boards or lighting realization with transparent backing (upon request), as well as on Kraft impregnated paper for an easy to use application without panel board press.

	NON-WOVEN BACKING	KRAFT IMPREGNATED PAPER
Thickness	0,4 mm to 0,5 mm	0,8 mm to 1 mm
Use / property	Flexible, translucence possible / light material (1 sheet = 1 kg)	Wood works, furniture, hand application / medium rigid

Thickness can vary depending on the raw Green Blade thickness that may vary depending on the trunk and fiber variation.

Application for Green Blade® veneer on Kraft impregnated paper FSC certified

Perfect for manual application using a vinylic glue or any other glue for wood application. Green Blade® on Kraft backing is delivered raw and flat on pallet. It is more resistant and easier to work with hand tools, well received by wood workers, carpenters, cabinet and furniture maker since it is very similar than any laminate solution for cutting and gluing, but we do recommend to follow the finishing instruction bellow before sanding and varnishing.

Balancing must be done with a similar product or any laminate / Kraft impregnated paper sheet.

Application for Green Blade® veneer on non-woven backing FSC certified

This solution can be rolled for packing and transport.

Substrates

The Green Blade sheets can be applied to all general substrates (paper-board, particle boards, MDF, plywood...) on a flat surface that is well degreased with all dust removed. Application to a metal surface requires a good surface preparation, in particular a good degreasing with a powerful grease-remover.



Balancing

To counterbalance the Green Blade sheets, we do not advise the use of traditional laminates, these two materials having different dilation coefficients. When Green Blade is used to make panels, it is advised to balance with a sheet of Green Blade or any other veneer of the same thickness and to apply the same finish to the 2 faces. For wall solutions, on the other hand, it is possible to veneer only one face of a panel in Green Blade if the panel is held rigid by a wall-mounting device or framework. In this case, without guarantee on our part, the other face will need to be isolated from moisture and can be painted, lacquered or varnished by a vapor resistant product.

Gluings

Surfaces to be assembled must be solid, rigorously dry, clean, and have all dust, sawdust and traces of grease removed from them.

Gluings with a press: Gluing using a veneer press is the surest method. In this case, one can use traditional adhesives for

laminated panels (vinyl adhesive, Urea Formaldehyde glue, etc.). When gluing is carried out under a hot press, do not exceed 70°C. Above this temperature, there is a risk of creating harmful tensions between the various elements.

Machining

The operations of sawing, milling and drilling can be carried out with all of the machines usually used for the machining of veneered panels.

Finishing

Green Blade sheets are 100% natural and delivered as such. In order to limit lightening or discoloration of the sheets due to the photosensitivity of the banana fiber, we recommend protecting the sheet (base coat and varnish for veneering applications). It is recommended to use an anti-UV filter solution for certain applications.

It is recommended to brush (ginning brush) the veneered panel before applying a base coat. Should you not possess a production line with a brush, it is recommended to apply at least one layer of base coat without presanding. Before applying the finishing coats, it is necessary to lightly sand the base coat (320/400 grit) in order to eliminate any residual fibers that may have been pulled up, in particular where the slices of Green Blade meet. It is then recommended to apply two coats of a finishing product.

