

DATA SHEET

KINGDOM®
ENGINEERED WOOD VENEERS

Product Name: KINGDOM ENGINEERED WOOD VENEER

Product: Kingdom Engineered Wood Veneer of Real Natural Wood from Ayous, Poplar, and other species and its stained with acid based dye in water solution and reconstituted using resins.

Composition of the Product:

Kingdom Engineered Wood Veneer is composed as follows:

Ayous or Poplar wood:	70 - 80%
Dyes:	1 - 2 %
Resins:	15 - 25%
Moisture:	10 - 14%

On Request it is possible to reduce moisture content to 4%

 **Standard Dimensions:** Models produced with Ayous

PANEL SIZE:

LENGTH:	250, 280, 310, 340 cm with a tolerance of +2 cm
WIDTH:	65/75 cm with a tolerance of +1 cm

DOOR SIZE:

LENGTH:	220 cm with a tolerance of +2 cm
WIDTH:	from 65 to 88 cm with a tolerance of +1 cm

Models produced with Poplar:

LENGTH:	220, 250 cm with a tolerance of +2 cm
WIDTH:	65/75 cm with a tolerance of +1 cm
THICKNESS:	from 0,30 mm to 1,50 mm with a tolerance of +/- 0,03 from 1,50 mm to 3,00 mm with a tolerance of +/- 0,05

(Different sizes are available on request)



Dimension Tolerance:

WIDTH: -0/+30-35mm
THICKNESS: Complies with standard ISO 18775
For thickness less than 1.50mm +/- 0.05mm
For Thickness greater then 1.50mm +/- 0.10mm

WOOD DENSITY: 450-900 kg/m³ (depending on the models)

MOISTURE: < 14%

FORMALDEHYDE EMISSION: In compliance with E1, analysed according to EN717- 2/94



Colour variation:

Colour as per original sample with the possibility of a slight difference considering that the raw material used is wood and colour difference up to 5% must be accepted.
No colour variation in the same pallet.

HOLES: Scattered, not gathered, from 1 mm up to 3 mm

OPEN SPLITS: Max. 0,5 x 100 mm

CLOSE SPLITS: Small scattered splits

SURFACE: Smooth as much as possible, considering that the raw material used is wood with its own natural characteristics

OIL AND GLUE SPOTS: Not allowed

DEAD KNOTS: Dia. < 8 mm, no sharp colour contrast

KNIFE MARKS: Not significant

LIGHT RESISTANCE: On request we can supply veneers with a light resistance four times stronger than that of the standard production.



Recommendations for Storage:

Avoid contact with water and other liquids. The veneer must be shielded from direct and indirect sunlight. It is advisable to keep humidity range between 35/40% and 65/70% and a temperature of 20/25° C.



Recommendations for Use:

With urea glues: 130/150 g/m²

Pressure: from 1,5 to 5 BAR

Temperature: between 85/90° C and 115/120° C.

The use of pigments with similar shades to the veneer base colour is always recommended.

With vinyl glues: 80/100 g/m²

Pressure: from 1,5 to 3,5 BAR

Temperature: between 60/65° C and 85/90° C.

For other type of gluing such as Polyurethane, EVA etc. it is always recommended to make some tests taking into consideration the characteristics of the products.



Varnishing:

Kingdom Engineered Wood Veneer can be varnished with any product recommended for wood treatments, always keeping in mind that best results are achieved by selecting products having the following characteristics:

- High UV protection
- Good properties of yellowing retention



Sanding:

To remove from the product any surfaces or glue leftover from gluing process the Veneer should be sanded with grade 100/150/180 sandpaper; it can be done manual or by a sanding machine. If sanding is carried out at right-angle to the grain then forceful sanding may leave on the material visible micro scratch or tear.

So it's recommended that test must be done beforehand to decide which specific sanding process should be adopted.



www.kingdom.me

Factory :

Kingdom Decorative Surfaces (India)
C/o Hosur Paper Mills
Sy. No.211 & 212, Sanamavu Village,
Rayakotta Road, Hosur. Post Box- 635119
Tamil Nadu-India

UAE Distribution Centre:

Kingdom Resources DMCC
P.O.Box: 115605, Ramool Street 9,
Community 215, Gate No 52
Umm Ramool Industrial Area
Dubai - United Arab Emirates
☎ +971-545 476770 | +971-581 289339
✉ sales.dxb@kingdom.me

KSA Distribution Centre:

KINGDOM RESOURCES LIMITED COMPANY
6709, 4322, 11425, AL- Jarani Riyadh
Al - Sulay District, Next to SMSA Warehouse
Riyadh, Kingdom of Saudi Arabia
☎ +966 58 383 4545 | +966 54 281 5406
✉ sales.ksa@kingdom.me