



GREENPANEL®
NATUREMAX VENEERS

GREENPANEL NATUREMAX VENEERS

DESIGN

AS

UNIQUE



AS

YOU ARE

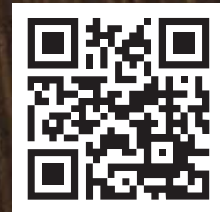


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GREENPANEL®
NATUREMAX VENEERS



Introducing
Naturemax Decorative Veneers
from Greenpanel. These Veneers are
made from exclusively hand-picked
wood species from some of the most
exotic forests from all over the world.
Elegant and abstract in design these
veneers are sure to lend a touch of
class to your interiors and make
them an object of envy for anyone
and everyone.

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amazonian

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hawaiian

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amazonian

Home to the largest remaining rain forest of the world, Amazon is the inspiration behind this range of designer veneers. Sourced from exotic species from all over the world, this range has a mark of exclusivity which fits both, your home and imagination.



CHILLAN ROSEWOOD



SANTOS



VINTAGE ROVERE



ZERICOTE



MAHOGANY CROTCH



BOCOTE



EBONY



LAURO PRETO



LAURO WALNUT



LARCH VINTAGE



TINEO



AMERICAN WHITE OAK [ROUGH CUT]



VINTAGE BLACK WALNUT [ROUGH CUT]



WHITE EBONY



BOCOTE [LIVE TREE]



OLIVE ASH [LIVE TREE]



BAKU POMMELE



SUCUPIRA



EUCALYPTUS



COPAIBA



FIGURED SYCAMORE



PALADO



SAPELE POMMELE



WENGE [QTR]



RED GUM



VINTAGE TEAK



GOLDEN TEAK



SYCAMORE



MAKORE



AM CHERRY



JATOBA



ROSEWOOD



AMERICAN MAPLE



KNOTTY PINE



CHEN-CHEN



ANEGRE



RED CEDAR



MOABI



SAPELE (QTR)



FIGURED EUCALYPTUS



WENGE [CR]



IPE



ANGELIM



ZEBARANO



FIGURED ANEGRE



FIGURED ASH



MOTTLED MOABI



CHESTNUT



BIBOLO



OLIVE ASH



GOLDEN CEDAR



MOTTLED MAKORE



WHITE BEECH



STEAMED BEECH



SOUTHERN OAK



SAPELE (CR)



AMERICAN RED OAK



MAHOGANY



LARCH



EUCALYPTUS POMMELE



RED ELM



CRIMSON ASH



MAPA BURL



ETIMOÉ



AMERICAN WALNUT [CR]



AMERICAN WALNUT [QTR]



AMERICAN WHITE ASH



AMERICAN WHITE OAK



TRUFFLE BEECH

Horizontal



AMERICAN WALNUT [CR]



AMERICAN WALNUT [QTR]

Horizontal



AMERICAN WHITE ASH



AMERICAN WHITE OAK

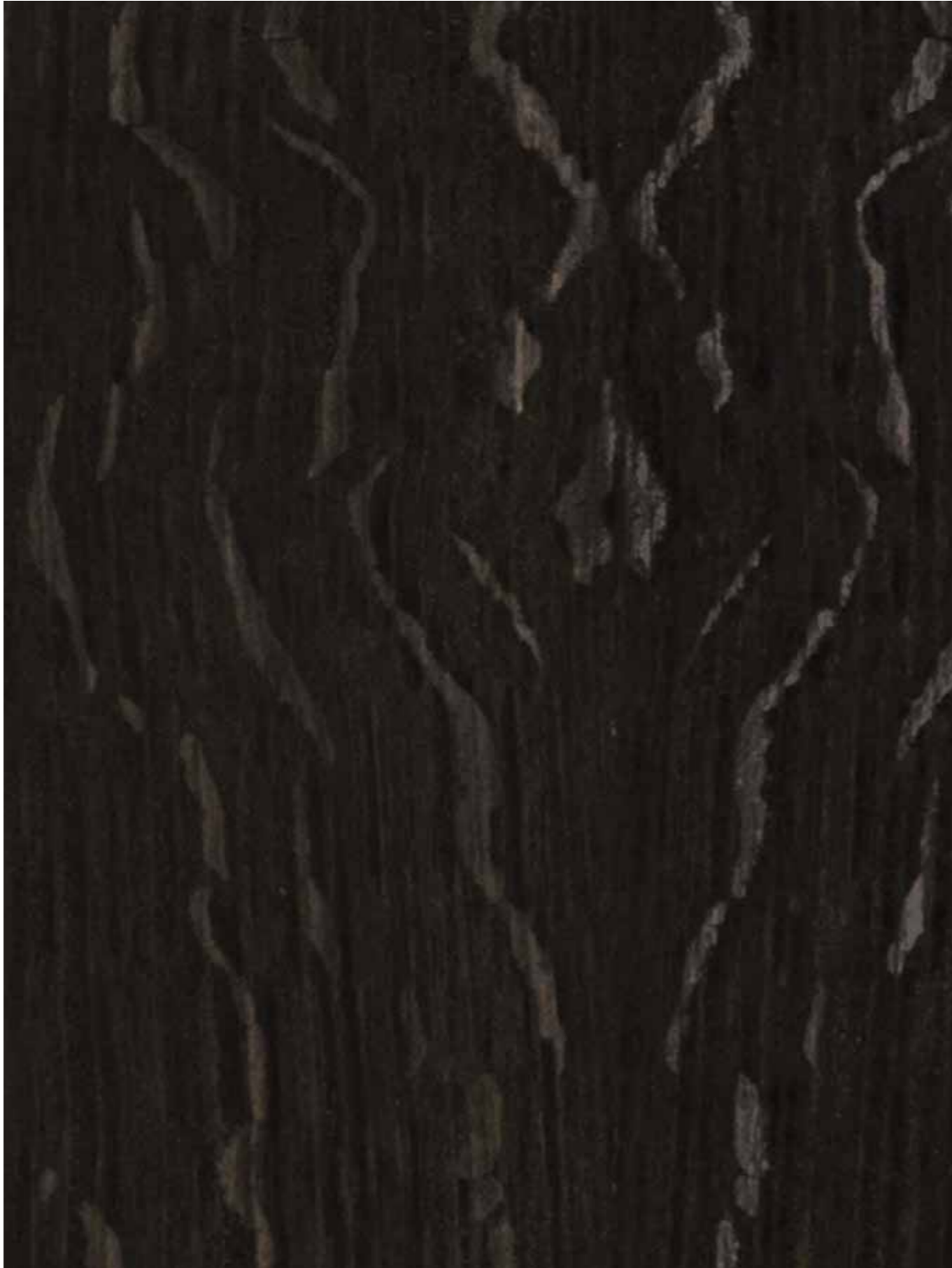


- grimm

The inspiration behind the Dark Tales of Brother Grimm is also the inspiration behind this range of fumed decorative veneers. Individually inspected and sorted, and then fumed to darken the surface colour, these veneers are naturally resistant to ageing.



FUMED RED GUM



FUMED FLAKY OAK



FUMED VINTAGE ROVERE



FUMED TINEO



FUMED EUCALYPTUS FIGURED



FUMED SAPELE POMMELE



FUMED SANTOS



FUMED AMERICAN WHITE OAK [ROUGH CUT]



FUMED COPAIBA



FUMED AMERICAN WALNUT (QTR)



FUMED MAHOGANY



FUMED ZEBARANO



FUMED MOTTLED MOABI



FUMED DARK OAK



FUMED MAKORE



FUMED CHESTNUT



FUMED AM CHERRY



FUMED AMERICAN WALNUT (CR)



FUMED BRAZALIAN CHERRY



FUMED AMERICAN WHITE ASH



FUMED AMERICAN MAPLE



FUMED SAPELE (CR)



FUMED KNOTTY PINE



FUMED BIBOLO



FUMED SAPELE [QTR]



FUMED LIGHT OAK



FUMED BEECH



FUMED AURELIA CILIATA



FUMED MOTTLED MAKORE



FUMED RED CILIATA



FUMED ROBUSTA OAK



FUMED MOABI



FUMED EUCALYPTUS



FUMED LARCH



FUMED EUCALYPTUS POMMELE



FUMED BAKU POMMELE



FUMED CHILLAN ROSEWOOD



FUMED NODULAR ROVERE



FUMED ETIMOE (CR)



FUMED LARCH VINTAGE



hawaiian

Eye-catching barks, that mirror brushstrokes on an easel, give rainbow hawaiian an identity of its own. Clearly our inspiration for these pressure bleached and dyed veneers that ensure penetration and complete colour correctness to give your home a look that will stand out.



DYED SPECKLED KOTO



DYED TAUP OAK



DYED ASHEN OAK



DYED AUBURN OAK



DYED SAND SUCUPIRA



DYED FAWN ASH



DYED UMBER ASH



DYED COCOA ASH



DYED ARCTIC ASH



DYED BUFF KOTO



DYED BEAM KOTO



silverwood

Named after Silverwood, a visually striking tree native to Eastern USA with a silvery bark and a height of up to 80 feet, these ash coloured achromatic veneers are further processed to obtain a gorgeous silvery grey hue that adds a smack of opulence to anything they adorn.



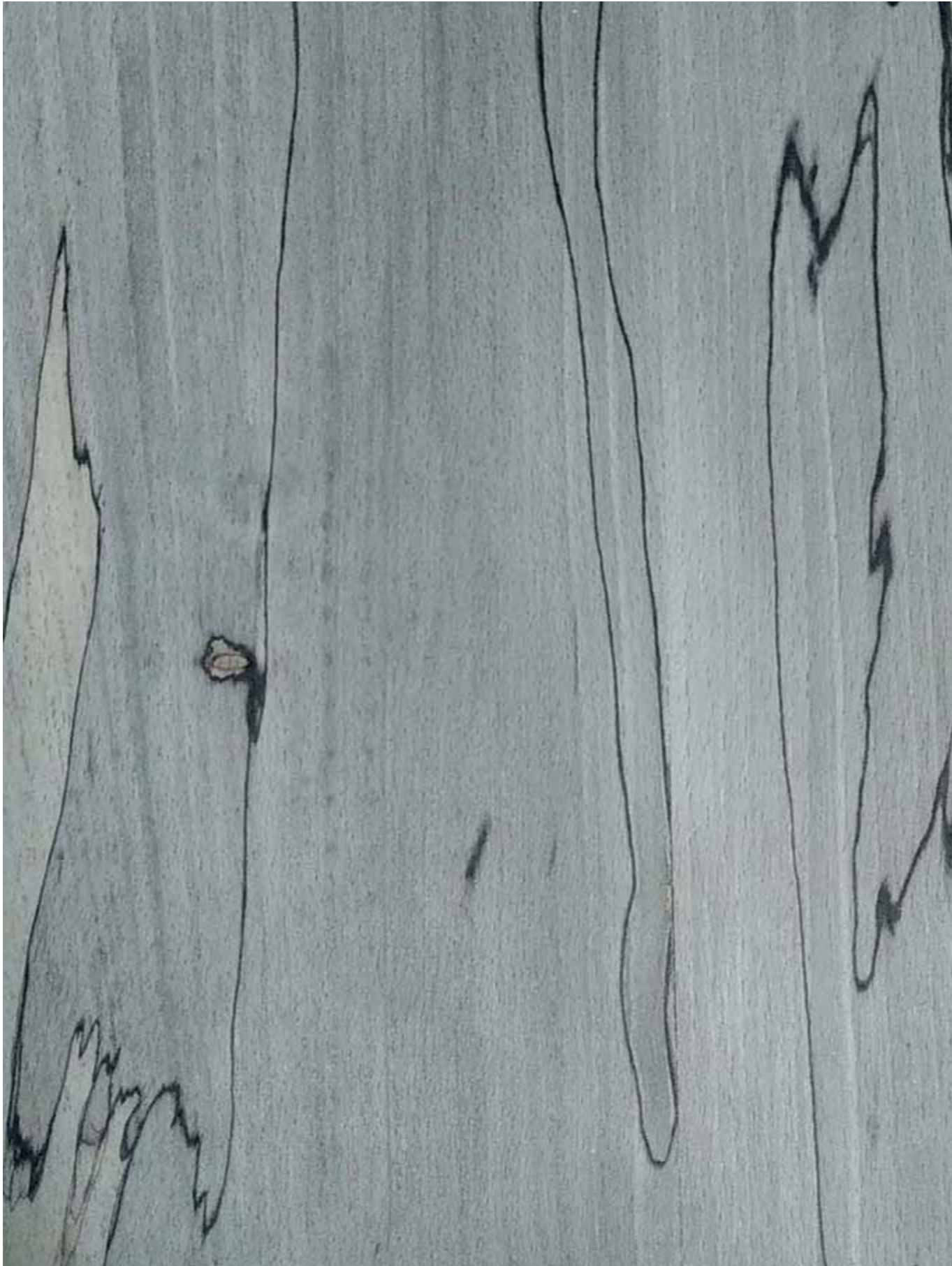
SILVER ARIZONA



SILVER TWILIGHT



SILVER SHEEN



SILVER TRUFFLE CHOCOLATE



SILVER DIAMONIQUE



SILVER INGRID



SILVER LUSTER



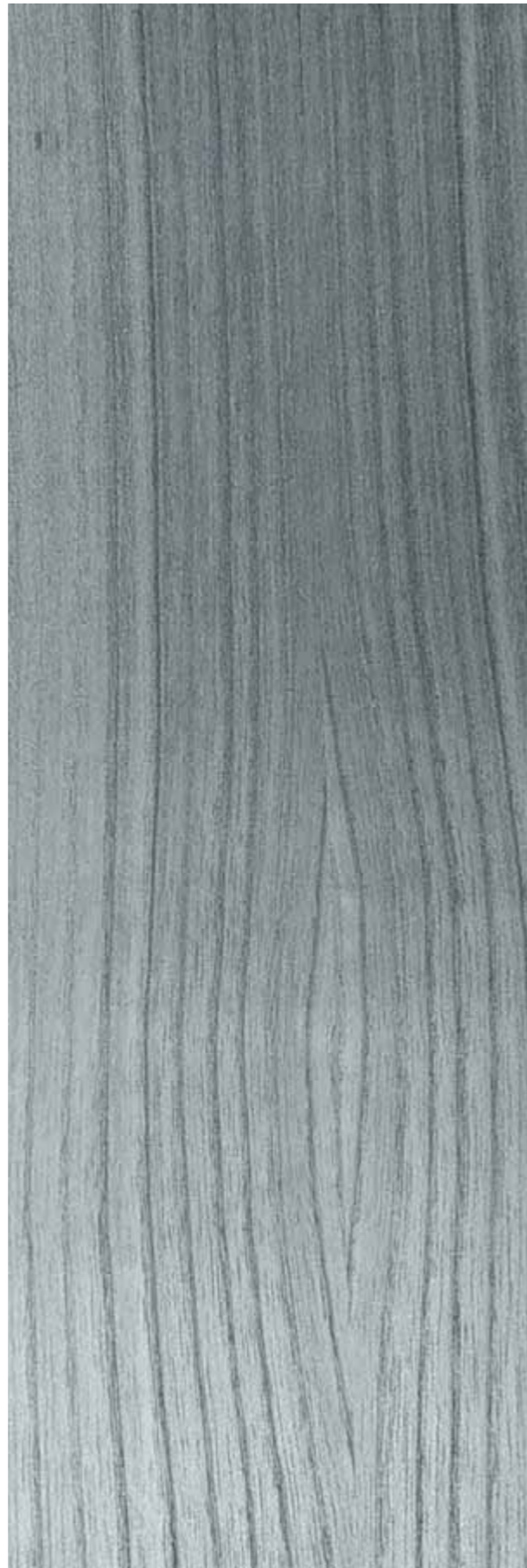
SILVER PLATANUS



SILVER FRAXINUS



SILVER OLMO



SILVER ARCTIC



SILVER PHILOMENA



SILVER HORNBEAM



SILVER SANDUNE



SILVER DELIGHT



SILVER CYPRESS



SILVER STARLIT



SILVER WHIRLS



SILVER BLAZE



SILVER ZINGANA



SILVER HAMLOCK



— general information

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veneer cuts

Different patterned veneers are produced depending on how the tree trunk (log) is cut during processing. There are different ways to slice a veneer and each method presents a unique pattern of the grain.

CROWN



American White Ash

QUARTER



American Walnut

ROTARY



Sapele Pommele

RIFT



American White Oak

CROWN

Sliced veneer cut tangentially to the grain which results in an attractive figure of bold sweeping curves and ovals along the length the centre of the leaf, with striped grain near the edges.

QUARTER

The quarter log or flitch is mounted on a metal frame, so that the growth rings of the flitch strike at approximately right angles, against the slicing knife producing a series of stripes, straight in some timbers and varied in others.

ROTARY

The log is mounted centrally on a lathe and rotated against a knife, where the continuous tangential cut results in a distinctive watery pattern or variegated figure.

RIFT

The rift, or comb-grain effect, is obtained by slicing slightly across the medullar rays. This accentuates the vertical grain and minimizes the flake.

veneer figures

Figure is the wavy texture across the face of the veneers, which gives an impression of uneven surface. The effect is due to reflection of light on the uneven arrangement of the fibres.

POMMELE



Sapele

BURLS



White Ash

CROTCH



Oak

MOTTLED



Moabi

POMMELE

Pommele, a small to medium sized blister figure, is usually found in very large trees of African species like Sapele, Bubinga and Makore.

BURLS

Burls give the appearance of tight clusters of dormant bud each with dark pith caused by stunted growth. They are large and Natural and highly valued in veneers.

CROTCH

Crotch formed from the intersection of the main branch and the trunk of the tree, is usually found in medium sized species like Mahogany and Walnut.

MOTTLED

Mottled, an irregular form of figure, runs across the surface of the veneer & is identified by its spiral like grain. Mahogany, Sapele and Bubinga have a tendency to be mottled.

Veneer Matching is the method by which individual leaves are jointed edge to edge into a lay-on, and determines the final appearance of the panel. There are a number of veneer matching techniques providing an excellent range of visual effects. The degree of figure (grain, colour and natural characteristics) in the timber species chosen, the method of veneer production, together with the desired effect, determine the best matching method.

BOOK



SLIP



BOOK

Based on the mirror image principle, successive veneer leaves in a flitch are turned over like pages in a book, and edge joined, resulting in a series of pairs. Generally used for quarter or rift cut veneers.

SLIP

Successive veneer leaves in a flitch are placed one alongside the other and edge joined, resulting in a series of grain repeats.

REVERSE SLIP



RANDOM



HORIZONTAL



REVERSE SLIP

The Method is generally used in crown cut veneers to balance out the crowns, where veneer leaves are slip matched & every second leaf is turned end to end.

RANDOM

Individual veneers are random matched with the intention of dispersing characteristics such as knots more evenly across the sheet.

HORIZONTAL

Veneer leaves jointed edge to edge along the horizontal axis, usually in book or slip, to create an unconventional but interesting visual effect.

Veneers Hi quality A grade veneers of 0.6 mm thickness are sourced directly from manufacturers. To ensure superior quality and variety, species are sourced directly from native/ countries of origin. By directly going to the source we are able to procure the best grade of veneers. In many species, the procurement happens at the logs stage itself where slicing of veneers is also done as per our defined parameters. Well established producers are only selected to ensure slicing is done on high quality European machines so that the grain structure remains as close to its natural state as possible. The sourced veneers are properly dried and treated to ensure the character stability, so that the veneers arrive at our facility in a perfect state.



INTEGRATED, CUTTING GLUING & SPLICING LINES In the production of Naturemax Natural Decorative Veneers, integrated processing lines from Fischer + Ruckle, Switzerland have been deployed for the cutting, gluing and splicing of sliced Natural Decorative Veneers. The jointing machine ensures high cutting quality and perfect squared-edge cuts of the veneer bundles. Automatic glue application happens within the jointing machine on the perfectly cut edge to ensure an absolute even glue application along the edges.

The bundle then passes through a fanning machine that separates the edges and allows the glue to settle and achieve viscosity. The splicing machine, one of its kind in India, is used for hi speed crossfeed splicing of veneer, which ensures perfect joints for high and consistent end product quality. Unlike the conventional method of assembling veneers where a zig zag thread is used on top of the joint between the two pieces of veneer, the edge gluing method followed for Naturemax, ensures a perfect and seamless joint between two pieces with no gaps at all.

Also, in the zig zag thread method, only the portion where the thread crosses over from one piece of veneer to the other piece is where the bonding takes place. In the edge gluing method, since the entire edge is applied with glue between the two pieces, the bonding of the veneers happens over the entire length and hence is far superior and stronger. The process allows us to make seamless Natural panels with small pieces of veneer, and replicate the closest natural look of the species over a wider surface area.



Base Ply The base ply in Naturemax Natural Decorative Veneers, is made of only hardwood species and is 100% sourced from Myanmar (Burma) / Indonesia. The core and the face layers are of same species which ensures perfect assembly and bonding during the ply manufacturing process. Single piece composed core is used to ensure zero core over lap or core gap. Commercial face veneer of 0.6 mm is used on both sides of the ply to ensure a perfectly smooth surface for the application of the Natural veneer. The base ply is very accurately calibrated with minimal thickness tolerance & variation. Further, only phenolic resins are used to make the plywood waterproof.



HIGH QUALITY VACUUM CHAMBERS FOR FUMING Fumed veneers are a result of exposing the veneer sheets to heat and vacuum with the use of certain chemicals and salts. The presence of tannin in the wood allows the veneers to absorb the heat and chemical treatment. Veneers are fumed in large, thermal and vacuum controlled chambers in a process that takes about 3-4 weeks. Fully automated PLC controlled treatment chambers sourced from Denmark enables total control of the outcome of the fuming process.

Unlike staining which is only a treatment of the surface, the fuming process allows the treatment to deeply penetrate into the veneer producing a rich, permanent color that varies by species. After the shade has been achieved, the veneers are dried in an absolute oxygen free atmosphere. The fuming process is completely energy friendly and adheres to the company's environmental compliances. The use of advanced technical infrastructure allows us to produce the widest range of fumed veneers with consistent results, prompt delivery and wide flexibility.

Size Availability
(Height x Width x Thickness)
2440 mm x 1220 mm X 4 mm

Face Veneer Thickness
0.55 mm

Base Ply Thickness
3.5 mm

BIS standards
IS: 1328

Protection from Borer/Termite
Borer Proof, Termite Resistant

Density
680 Kg/CBM

Flexi Veneers (Availability)
Yes

Horizontal Veneers (Availability)
Yes

veneer finishes

Finishing is necessary and important to protect and restore the shine and naturalness of Natural Decorative Veneer. Different types of polishes are used to give different finish and vary on general durability, heat, moisture and solvent resistance.

MELAMINE

- Good transparency & gloss obtainable
- Average physical & chemical resistance
- Can be polished after 24 hours
- High on VOC
- Cost effective

POLYURETHANE

- Excellent clarity & gloss retention
- Limited shrinkage
- Good physical & chemical resistance
- Low on VOC

ACRYLIC

- Excellent transparency and ideal for pale or light coloured veneers
- Good physical and chemical resistance
- Quick Drying
- Low on VOC

POLYESTER

- Excellent transparency & gloss
- No shrinkage
- Quick Drying
- Excellent physical & chemical resistance
- Very low on VOC

MATT



GLOSS

