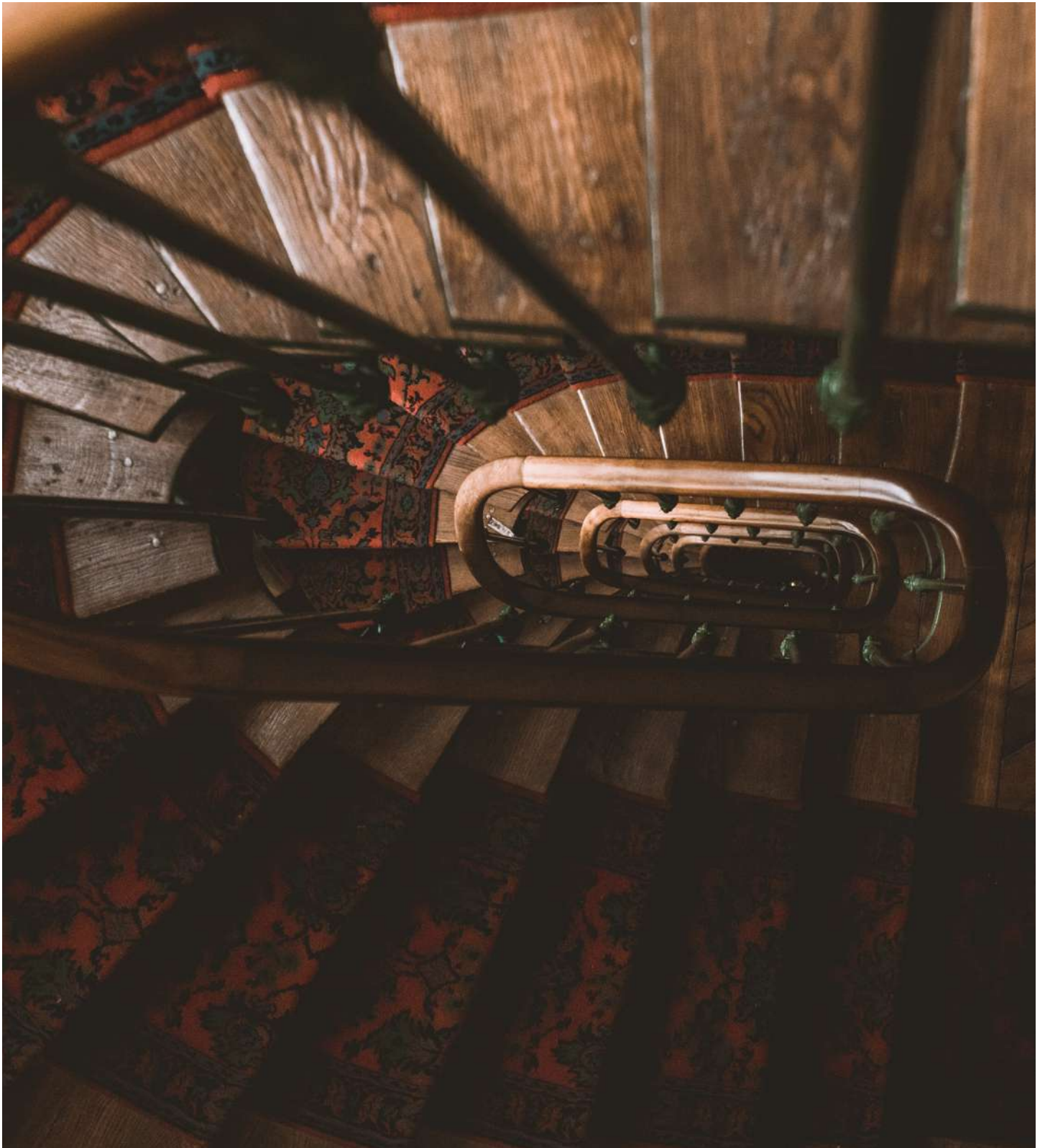




QUALITY THATS NOT PRICY

# WOODEN INTERIOR SOLUTIONS

A makeover you'll fall in love with



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# INTRODUCTION

We all have a special love for things that are made out of wood. It is a versatile material but is also annoyingly feeble and fickle. The sole solution to this problem came in the form of plywood that was expected to encounter the drawbacks of hardwood. To do so, a lot was dependent on the quality of the plywood. Considering the scenario of the Indian market, the availability of genuine and good quality plywood is extremely rare. As a result of which acquiring good quality plywood for the interiors of the house becomes extremely difficult and in certain cases almost impossible. Therefore, majority of the time we, as buyers have to settle down for compromises in the form of inferior quality plywood. In the long run, such compromised products brings in major structural damages that are difficult to repair and often very expensive.

**Yet, every problem comes with a solution...**

The Indian market saw the advent of a brand called **PEEL Ply** that not only procures authentic and supreme quality plywood but also other wooden needs such as Block boards, Veneers and Flexible Ply



Available plywood thickness  
4mm, 6mm, 9mm, 12mm, 15mm, 18mm

The question that arises now is how to distinguish good quality plywood from the rest. As the saying goes, purity reflects on the outside, similarly, better grade plywood is easily distinguishable if observed carefully. To understand this, having a specific knowledge about what exactly is a plywood seems necessary.



Plywood can be described simply as an engineered piece of wood made of thin sheets of wood veneers, which are glued together under pressure at high temperature to form a thicker, stronger and more flexible flat sheet. Here goes a short description about the process of manufacturing plywood:

The manufacture of plywood consists of seven main processes

- Log debarking and bucking
- Heating the logs
- Peeling the logs into veneers
- Drying the veneers
- Gluing the veneers together
- Pressing the veneers in a hot press and
- Sanding and trimming

The plywood then is taken to a finishing process where edges are trimmed and the product is ready to be exported.

# KNOW THE QUALITY

The primal feature that sets apart the superior from the rest is the arrangement of layers. In Quality plywood the veneer layer run perfectly parallel to each other without any undulations. This is so because the plywood is manufactured from singular sheets of core and panel veneers. When the matter of veneer arises, what inevitably follows is the matter of quality.

The quality of raw materials plays a major role in influencing the overall quality of plywood therein the nature of veneer is a determining factor. Plywood constructed from Gurjan wood veneers is usually regarded to be the best in category. But even amongst Gurjan a division in quality is noticeable. Veneers made from Burmese Gurjan wood is considered unbeatable in strength and durability. Besides this, the additional benefit that comes of the Gurjan wood is that it makes the plywood appear naturally beautiful and stylish owing to the rare and naturally rich reddish hue of the wood.



Made from 100% pure | No gaps and  
Burmese Gurjan wood | overlaps

**Do Keep a Check on the Piles.** Plywood typically comes in an odd number of piles in order to achieve balanced construction. The number of veneers on each side of the core layer must be equal in number (and thickness) or the panel may warp. The piles should be parallel to one another with alternating layers set at 90°.

Then comes the quality of the adhesives used to bind the veneer layers. Right after the raw material, it is the glue that becomes a determining factor in lending the endurance capacity. A quality plywood is bound by glues that makes them have high resistance to moisture and temperature.

The singular veneer sheets of Burmese Gurjan wood bound with high performance glue together give rise to plywood that have the following features



Single sheet Veneer



Resistant to borer attacks



Immunity towards moisture and micro organisms



Fire resistant



Boiling water proof



No bending, warping, corrugation



Superior quality adhesive used | 1.2 mm thick face veneer

# PROPERTIES OF QUALITY PLYWOOD

## High in strength

Plywood has the structural strength of the wood it is made from. This is in addition to the properties obtained from its laminated design. The grains of each veneer are laid at 90 degree angles to each other. This makes the whole sheet resistant to splitting, especially when nailed at the edges. It also gives the whole sheet uniform strength for increased stability. Furthermore, plywood has a higher strength to weight ratio as compared to cut lumber. This makes it ideal for flooring, webbed beams, and shear walls.

## Moisture resistance

The type of adhesive used to bind the veneers makes the plywood resistant to moisture and humidity. Moisture resistance is important in interior applications as well. The cross lamination ensures the veneers do not warp, shrink, or expand when exposed to water and extreme temperature.

## Chemical resistance

Plywood treated with preservative does not corrode when exposed to chemicals. This makes it suitable for chemical works and cooling towers.

## Fire resistance

Plywood can be treated with a fire resistant chemical coating. More commonly, it is combined with non-combustible materials such as plasterboard or fibrous cement. This makes it ideal for use in fire resistant structures. But Gurjan wood plywood is a natural resistant to fire without any usage of harmful chemicals.

## High panel shear

Plywood is made with an odd number of layers, making it tough to bend. The angle at which the veneer grains are laid against each other must be 90 degrees. Each veneer can be laid at a precise angular measurement to the next one, increasing the plywood's strength in every direction. This cross lamination increases the panel shear of plywood, important in bracing panels and fabricated beams.

## Flexibility

Unlike cut timber, plywood can be manufactured to fit every requirement. The thickness of each veneer can vary from a few millimeters to several inches. The number of veneers used also ranges from three to several, increasing the thickness of the sheet. The extra layers add more strength to the plywood. Thinner veneers are used to increase flexibility for use in ceilings and paneling.

## Impact resistance

Plywood has high tensile strength, derived from the cross lamination of panels. This distributes force over a larger area, reducing tensile stress. Plywood is therefore able to withstand overloading by up to twice its designated load. This is critical during short-term seismic activity or high winds. It is also useful in flooring and concrete framework.

# SELECT THE RIGHT PLYWOOD FOR THE PROJECT

With the many genres of plywood available, it is important to choose and combine the types and thicknesses of plywood best suited to a project



## INTERIOR WALLS

Superior quality plywood is good for wood paneling or framing interior stud walls. In most cases, the plywood will not be visible for the final finish however, some highly finished A-graded plywoods are very good for facing inwards and can be painted or stained to give a stunning natural wood finish

## FURNITURE

Plywood can be a very practical and cost effective material for building furniture. In situations where the need is of a high quality and stylish furniture, a supreme grade plywood can be used. Plywood is suitable for almost any furniture project imaginable within reason, so it's not uncommon to find it used in custom built dressers, wardrobes, shelves, bookcases, console tables... in fact, the list is practically endless!



## CABINETS

Plywood is great for making cabinet for kitchens, bedrooms and more. A good quality plywood is more than suitable for use on backs and sides of cabinets in most cases and is a far superior material to traditional chipboard or MDF as it lasts longer, doesn't split and is far more durable





## COMPLEX DESIGNS WITH FLEXI PLY

Flexible plywood is useful for just about any construction-based or industrial purpose that demands a high degree of flexibility and the ability to curve wood easily. Yet here again, the question of quality rings in. Amidst the load of quality plywood available in the market, it is always safer to settle in for the ones that are made out of authentic Gurjan wood for sustained stability and endurance.

This flexible plywood panel is commonly called 'bendy plywood' or 'FlexiPLY', and is used extensively in furniture and interior fittings, wherever curves are desirable, thus demanding a panel that is extremely flexible.. The special construction of particular species of veneers gives an unusually large degree of flexibility and offers a most cost-effective way of producing rounded columns and other curved structures of very small radius in rounded or S-shaped structures without any additional support.



## VENEERS- THE TRUE EXPRESSION OF WOOD

An expertly crafted veneer captures the natural beauty of a log of wood at its most fundamental layer, adding personality and sophistication to interior spaces. This collection is inspired by a deep longing for authentic experiences steeped in warm hues, deep textures and organic patterns.



## Some facts to be known

Out of more than 70,000 different woods known to man, only approximately 200 species are available commercially as veneers. The cut of the veneers plays an essential role in determining the beauty of the finished products. The most reputed brands employ the following cuts also known as slicing methods.

### Flat cut

This cut of veneer is ideally suited for wall panels and furniture because of the grain consistency. Grain consistency allows for book matched sequences

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### Half-Round Cut (Slicing)

Half-round slicing is used primarily to accentuate the grain in various woods, such as in burls or Bird's-eye Maple, or to gain a wider width on a cathedral on small dimension log

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### Quarter Cut (Slicing)

Quartered veneer is narrower than plain-sliced veneer and typically contains straighter grain. Quarter-cut veneer can be easily sequenced and matched

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### Rift Cut (Slicing)

Rift slicing produces very straight grain. Rift veneers are produced most often in red and white oak and rarely in other species

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### Rotary Cut

Rotary cut veneers appear bold and random. Matching at veneer joints is extremely difficult. Most all softwood veneers are cut this way. Except to create a specific design effect, rotary-cut hardwood veneers are rarely used in fine architectural woodwork

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### Crotch

Wood veneer cut from the crotch of a tree; often exhibits unusual and decorative grain patterns

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### True Quarter Sliced

For producing a straight grained veneer match, the log is cut into quarters lengthwise for true quarter-cut slicing

Other merchandised ways of slicing includes Cut into Thirds and Half Round Cuts that contribute to a veneer's unique beauty and an interior's unique character.

# MOST COMMON AND EXCITING APPLICATIONS OF VENEERS

## FURNITURE



Chairs, tables, dressers, and more can all benefit from the decorative elements wood veneers provide. Whether you want to add a pattern or incorporate wood veneer sheets, furniture has unlimited possibilities with this unique addition.

## CEILING, FLOORS & WALLS



The expert woodworker will know how to apply wood veneers to ceilings, floors, and walls for an incredible effect that cannot compare to other decorative options. When you see wood veneers in this application, it can truly be breathtaking.

The clean, organic simplicity of premium wood veneers has made Veneers the favorite choice for creating some of the most spectacular wood works around the globe!

# CLOSER LOOK AT HIGH QUALITY PEEL PLY

Whether it's plywood, block board, flexi ply or veneers, every product from PEEL Ply comes with an assurance of quality. With 30+ years of rich experience, helps you get a great product with some great advice as well. Obsession with quality, attention to detail, high standards of service, understanding of residential and commercial interior requirements, large infrastructure projects, makes PEEL Ply the partner of choice for some of the most reputed architects and designers in India as discerning home owners



# CONCLUSION

Requirements are innumerable but the solutions few. Acknowledging that wooden furniture and other construction can be very beneficial to all houses and buildings. We need to make sure that we purchase only one with the best quality. Brand PEEL Ply offers the best wooden solutions for every requirement. Each and every product is made from 100% pure, authentic and mature Burmese Gurjan timber using the most advanced technology. From plywood that is unbeatable in quality to the most exotic veneers, build your home with a "no compromise" on your dreams.

