



THE CODE OF
STRENGTH



COMPANY

EG Ply was founded in the year 1999, by a group of businessmen with extensive relevant experience, under the name Evergreen Plywood. Eventually, EG Ply has been flourishing, gathering customer satisfaction through unmatched quality, and durability of the compressed hardwood. The ISO 9001-2008 certified company has been conferred the coveted ISI certification by the Government of India.

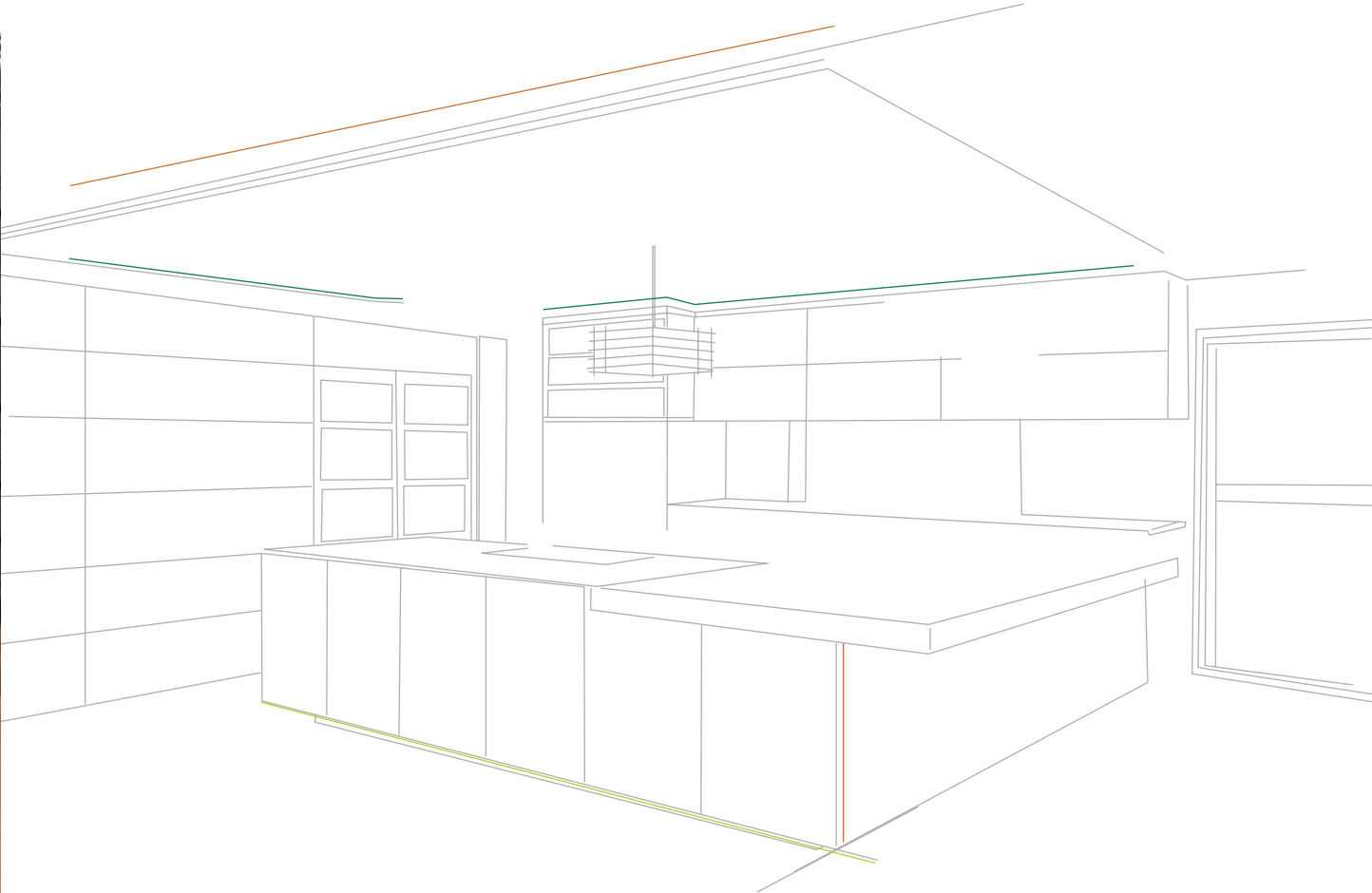
Now, EG Ply has become one of the most influential names in plywood segment of Kerala, as it conforms to the international and environment friendly norms. With its network spread across India, the company partners most eminent distributors.

MISSION

To provide best quality, price and service to the consumers. To continuously upgrade the product through research and development and technological innovations.

VISION

To become the best plywood manufacturers in India and thereby gain international reputation.



WHAT IS EG Ply

EG Ply, the versatile, ready to use treated plywood, is one of the quality manufacturers of durable plywoods. The hardwood chosen for the stringent compression process is that of first quality. The seasoned hardwood is glued and compressed under high pressure and core bonded with high quality resin.

With the fully developed in-house research lab, the stringent supervision, and the consistent quality policies, EG Ply is able to give a credible warranty to its products.



WHY EG Ply

- Ideal for hot & humid tropical climate
- Temperate resistance to fire & water
- Retains originality
- Seasoned high quality hardwood
- Core bonded with special quality resin

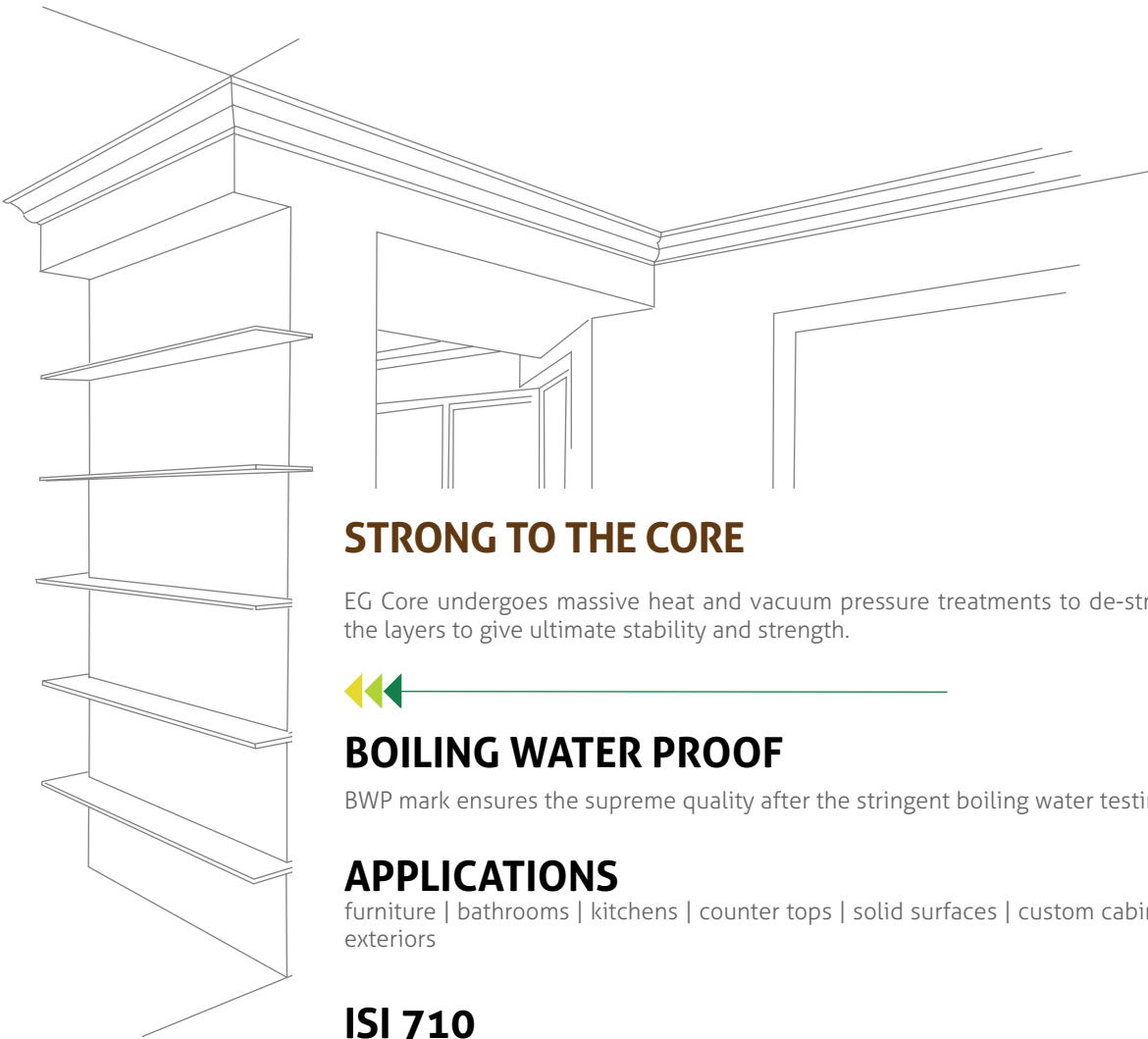


STRONG TO THE CORE; WITH PURE GURJAN LAYERS

The utmost durability, the stunning appearance and the attractive grains take EG CORE to the peak of strength. With its greater dimensional stability, structural ability and resistance to chemicals, it makes an ideal substitute to wood for heavy use in tropical climates. EG CORE undergoes massive heat and vacuum treatments to de-stress the layers to give ultimate strength and stability, ensuring credible warranty.

100% PURE SINGLE GRADE GURJAN WOOD

Gurjan is an oily hardwood available only in Burma, that grows straight. It has very attractive grains and its fibres are straight, compact, hard, strong, heavy and smooth. Gurjan, with the stunning appearance and utmost durability of this strong wood, is ideal for heavy use in tropical climate. It has greater dimensional stability, structural ability and resistance to chemicals. This is widely used in exterior plywoods and hence named as marine plywood.



STRONG TO THE CORE

EG Core undergoes massive heat and vacuum pressure treatments to de-stress the layers to give ultimate stability and strength.



BOILING WATER PROOF

BWP mark ensures the supreme quality after the stringent boiling water testing.

APPLICATIONS

furniture | bathrooms | kitchens | counter tops | solid surfaces | custom cabinets | exteriors

ISI 710

EG Core is certified by the Bureau of Indian Standards taking into consideration the moisture content, shearing strength and tensile strength.

TECHNICAL SPECIFICATIONS

S. No.	Test	IS Requirement Results
1	Moisture content	Min. 784.5 N 1120 N Min. 980.7 N 1300 N
2	Glue shear strength in dry condition average	5-15% 7.2%
3	Glue shear strength after wet condition Individual average	Min. 1078.7 N 21450 N Min. 1323.9 N 1700 N
4	Glue shear strength in mycological test Individual average	Min. 784.5 N 1250 N Min. 980.7 N 1420 N
5	Tensile strength parallel to grain direction Right angle to grain direction Sum of both directions	Min. 420 kgf./cm2 645 kgf./cm2 Min. 250 kgf./cm2 395 kgf./cm2 Min. 845 kgf./cm2 1040 kgf./cm2



THE POWER OF GURJAN AT THE CENTRE

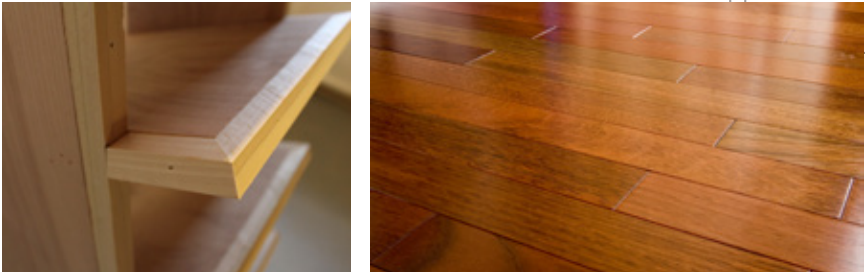
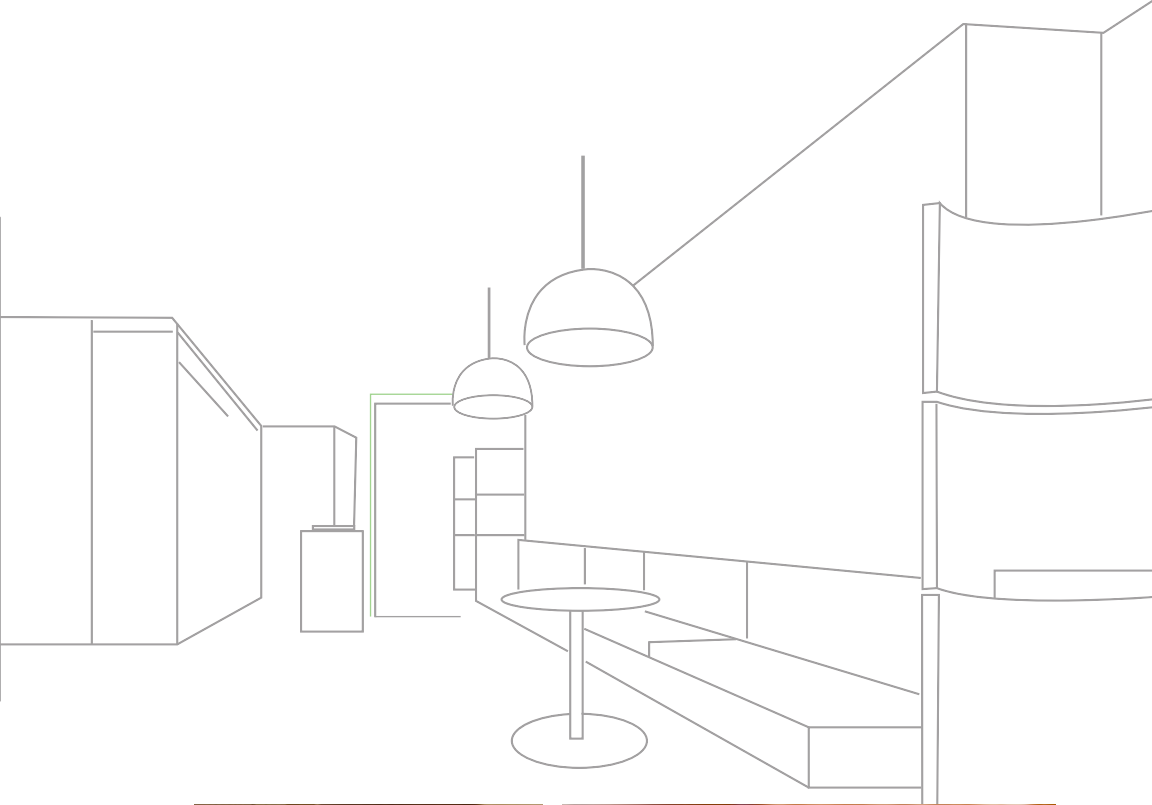
The strong wood with high stress resistance; even more ensured by the hard gurjan at the centre. The durable, strong and heavy duty prone plywood from EG Ply is powered by gurjan wood.

BOILING WATER PROOF

BWP mark ensures the supreme quality after the stringent boiling water testing.

IS: 710

EG Mark is certified by the Bureau of Indian Standards taking into consideration the moisture content, shearing strength and tensile strength.



TECHNICAL SPECIFICATIONS

S. No.	Test	IS Requirement Results
1	Glue shear strength water resistant	9.1.3.1
2	Moisture content test	9.1.1
3	Adhesion of plies water resistant	9.1.5
4	Glue shear strength dry state	9.1.2.1
5	Adhesion of plies dry state	9.1.2.2
6	Tensile strength	9.1.4

THE POWER OF GURJAN AT THE CENTRE



THE
SPARK OF
SOLID PLYWOOD

The 'rock-solid' EG Rock is built from selected hardwood timber. This gurjan mix plywood is given chemical treatment in vacuum pressure impregnation process. It is bonded with undiluted Phenol-Formaldehyde Resins that are processed through high temperature and pressure. The result is a BWP plywood that is highly resistant to attacks from all types of microorganisms and extreme weather conditions - an IS 710 BWP EG Rock.

BWP
GRADE

BWP mark ensures the supreme quality of the stringent boiling water testing.

IS: 710

The moisture resistance, shearing strength & tensile strength of EG Rock adhere to the strict Indian Standards.



GURJAN
INFUSED
PLYWOOD



TECHNICAL SPECIFICATIONS

S. No.	Test	IS Requirement Results
1	Glue shear strength water resistant	9.1.3.1
2	Moisture content test	9.1.1
3	Adhesion of plies water resistant	9.1.5
4	Glue shear strength dry state	9.1.2.1
5	Adhesion of plies dry state	9.1.2.2
6	Tensile strength	9.1.4

ISO 9001-2015 Certified Company



EG
ROCK
the unbeatable



THE SPACE ENHANCER

The smoothly finished plywood stays unaffected by stress and strain. It handles heavy duty job. The remarkable bond of the Phenol Formaldehyde Resins makes it one of the most powerful all-purpose plywoods.

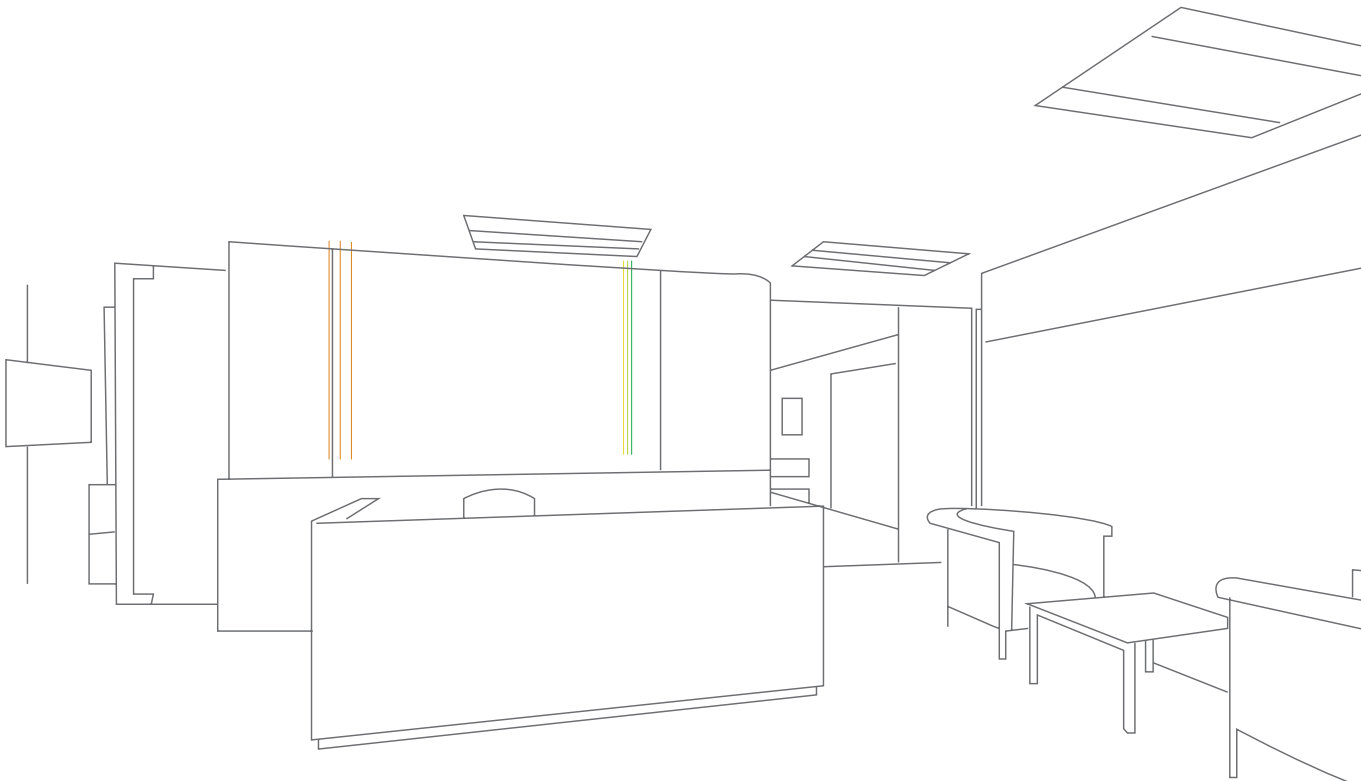
BWP

GRADE

IS: 710

BWP mark ensures the supreme quality of the stringent boiling water testing.

The moisture resistance, shearing strength & tensile strength of EG Bond adhere to the strict Indian Standards.



TECHNICAL SPECIFICATIONS

S. No.	Test	IS Requirement Results
1	Glue shear strength water resistant	9.1.3.1
2	Moisture content test	9.1.1
3	Adhesion of plies water resistant	9.1.5
4	Glue shear strength dry state	9.1.2.1
5	Adhesion of plies dry state	9.1.2.2
6	Tensile strength	9.1.4



ISO 9001-2000 Certified Company

BWP
GRADE



AN ELITE CRAFT

EG EDGE, a calibrated MR grade plywood, excels in diverse environments with IS 303 compliance. Crafted with precision, it resists moisture, swelling, and delamination, featuring PCT technology for superior durability. With an 8x4 feet composed core and both sides calibrated, EG EDGE sets a standard for quality in doors, cabinets, walls, and furniture, meeting the highest industry standards. EG EDGE is a perfect blend of durability and sophistication in interior spaces.

MR
GRADE

IS: 303

EG EDGE passes rigorous boiling water tests for structural strength in challenging conditions.

A premium choice with high moisture resistance, ideal for humid environments.



TECHNICAL SPECIFICATIONS

Moisture content	8 to 10%
Resistance to micro-organism	Excellent
Resistance to water (cyclic test)	Excellent
Modulus of elasticity (along the grain)	5600 N/MM2
Moudulus of rupture (along the grain)	50 N/MM2
Modulus of elasticity (across the grain)	4000 N/MM2
Modulus of rupture (across the grain)	60 N/MM2



EG BWR GRADE

Today's world demands rough and tough combinations. That is where the Boiling Water Resistant Plywood comes into power. The dimensional accuracy, the extra sturdiness, boiling water, heat and high temperature resistance are the major characteristics that set EG BWR apart from the rest.

EG BWR is made from 100% hardwood. The properties such as borer resistance ensure stability and durability which make it the most recommended for furniture manufacturers. Home uses such as exterior panelling, kitchen cabinets, bathroom panelling are given the best justice as well.

Fine finish with excellent heat & water resistance. Excellent for exteriors, kitchens and bathrooms.

Unmatched Appearance. Rough & Tough.

THE CERTIFIED PLYWOOD

POWDER PROOF

Borer resistant due to the most advanced Glue Line Protection (GLP)

CORE BONDING

Pre-press Calibration Technology (PCT)
Components like the base and face are calibrated and cold-pressed on high-tech machines before undergoing high-density bonding

BOILING WATER RESISTANT

Due to the treatment with Phenol Bonded Resin

EG PLY ADVANTAGES

- Full panel core
- Machine dried
- 100% chemically treated with cover vinegar
- Melamine bonded
- Durability, Credibility

VACUUM PRESSURE TREATMENT

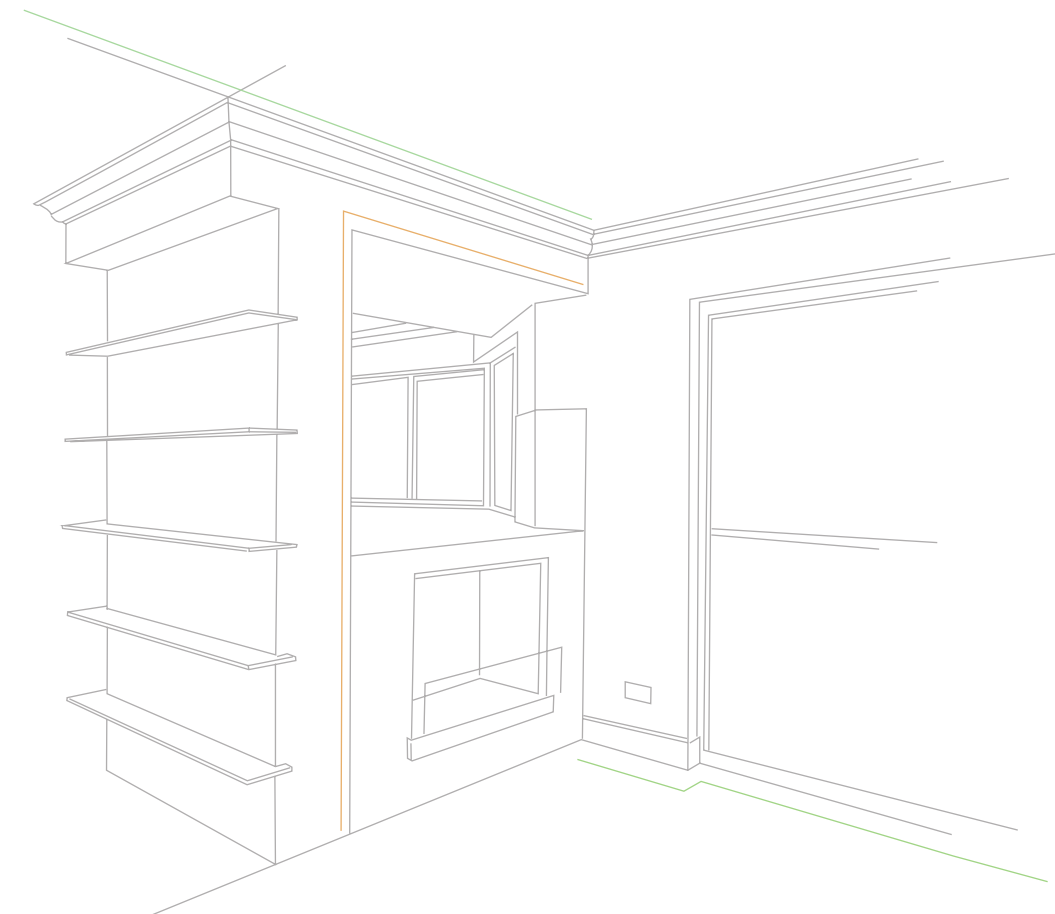
This pressure treatment process ensures durability: in which a high quality aqueous solution is applied using a vacuum and pressure cycle, before drying

EG PLY WITHSTANDS

Excess load • Thrust • Vibrations

PROTECTO COATING

Protecto is an advanced hybrid acrylic polymer blended coating that is both flexible and breathable. It holds to an astounding bond with the plywood when compressed under heat and pressure.



TECHNICAL SPECIFICATIONS

Moisture content	8 to 10%
Resistance to micro-organism	Excellent
Resistance to water (cyclic test)	Excellent
Modulus of elasticity (along the grain)	5600 N/MM2
Modulus of rupture (along the grain)	50 N/MM2
Modulus of elasticity (across the grain)	4000 N/MM2
Modulus of rupture (across the grain)	60 N/MM2



ISO 9001-2008 Certified Company

**BWR
GRADE**





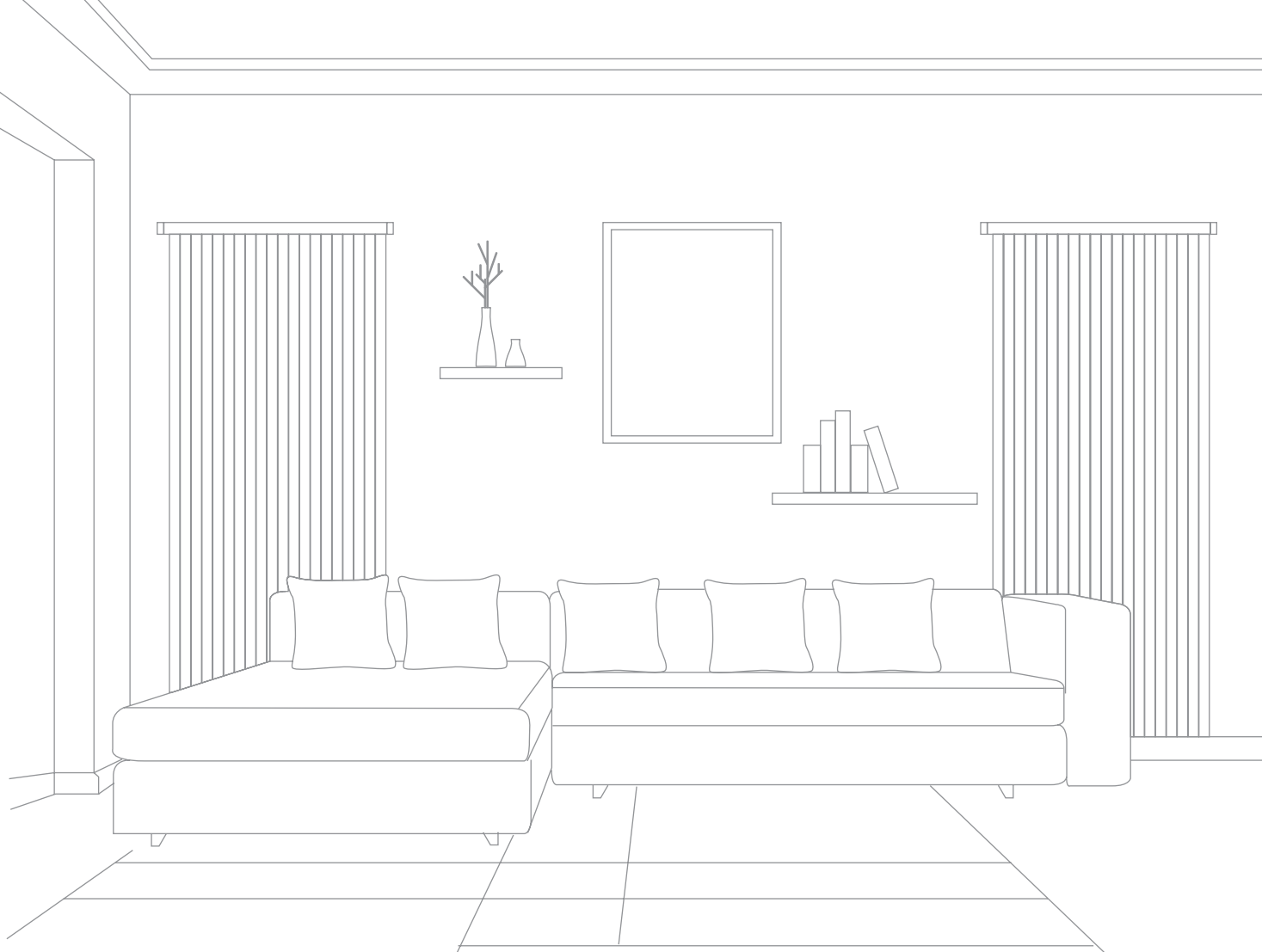
EG MR

A tropical climate receives rain and shine consecutively. Ordinary wood and regular plywoods have the tendency to swell or delaminate under such conditions. EG Moisture Resistant is specially engineered to perfection with high compressed materials that reduce water absorption.

EG MR contains advanced resins that react chemically with moisture in the wood; which creates a highly moisture resistant material. At EG, each every wood strand is coated with such resins, even along freshly cut edges. The long term storage or the exposure to the elements of nature do not affect the EG MR, since even the edges are coated with Melamin Formaldehyde Resins. Best for interiors, home furnishings and furniture.

Lasts Longer. No Swell. No Delamination.

DOORS • CABINETS • WALLS • FURNITURE



MOISTURE RESISTANT

Due to the high quality core bonding with Urea Formaldehyde Resin

TECHNICAL SPECIFICATIONS

Moisture content	8 to 10%
Resistance to micro-organism	Excellent
Resistance to water (cyclic test)	Excellent
Modulus of elasticity (along the grain)	4800 N/MM2
Moudulus of rupture (along the grain)	40 N/MM2
Modulus of elasticity (across the grain)	3000 N/MM2
Modulus of rupture (across the grain)	50 N/MM2

ISO 9001-2008 Certified Company

MR
GRADE

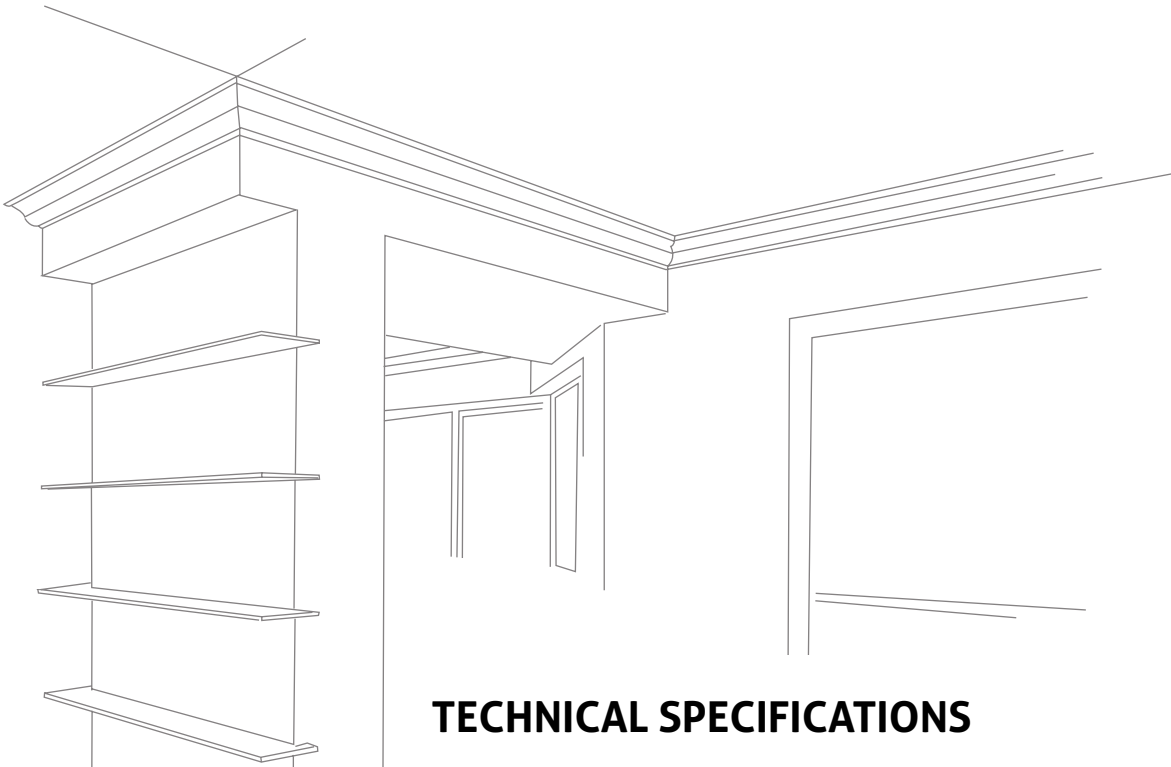




THE PERFECTIONIST PINWOOD BLOCK BOARDS

The strong quality block boards made of pinewood develop a nice, rustic patina from age and use, and resist shrinking and swelling. The composition of pinewood block board is very different from other engineered woods. EG Pine block boards have good dimensional stability when exposed to humidity and thus resist warping and cracking. The incomparable strength and durability keep it high on demand.

Solid blocks of pinewood at its core, sandwiched between layers of gurjan on both sides - front and back faces make it one of the most recommended block boards.



TECHNICAL SPECIFICATIONS

SL NO	TEST	PRESCRIBED VALUE	RESULT
1	Dimensions, mm a. length b. width c. thickness	Tolerance	
		+6mm	
		-0mm	
		+3mm	
2	Squareness, %	-0mm	
		+3mm	
		-0mm	
		+5%	
2	Squareness, %	0.2	2442
3	Edge straightness, %	0.2	1220
4	Moisture content, %	5 – 15%	
5	Resistance to water, three test specimens submerged in water at 100 +-20C for 71 hours	Min. pass standard	19.24
6	MoE, N/mm2 a. average b. minimum	5000 4200	0.11
7	MoR, N/mm2 a. average b. minimum	50 40	0.12
8	Spot test	Average	9%
9	Workmanship and finish	Minimum	Excellent

TEST REPORT OF BLOCK BOARD (AS PER IS 1659 – 2004) GRADE: BWP



FOR SMOOTH AND STRONG
CONCRETE SETTING

40% COST SAVING, REUSABLE MINIMUM
12-15 TIMES WHEN USED CONTINUOUSLY

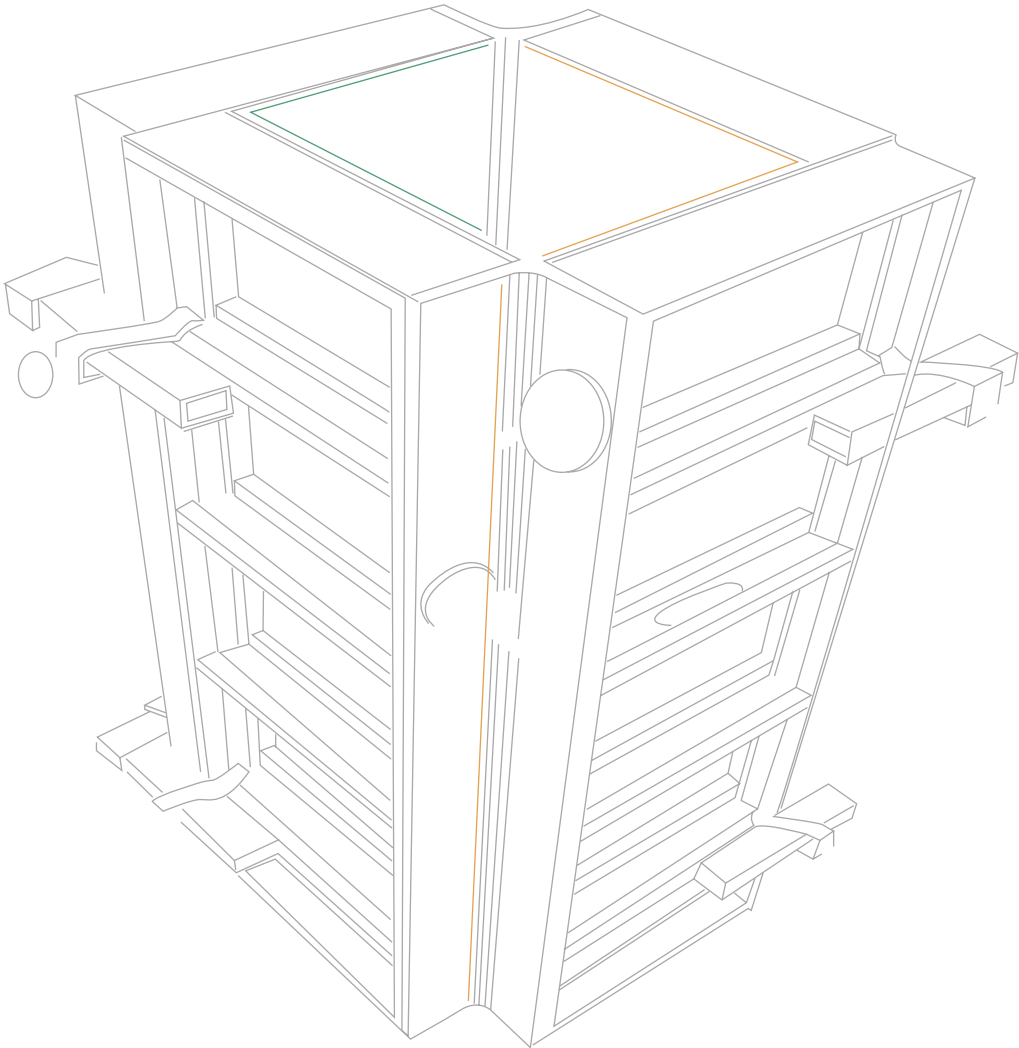
Shuttering plywood is used mostly in the construction
industry to contain concrete while it sets. It is used to
make strong and sleek shuttering boxes that give evenly
smooth finish to the concrete.

STRENGTH . STABILITY . RESILIENCE . RESISTANCE

APPLICATIONS : As shuttering boxes in construction
industry

- Ideal replacement for conventional wood and metal shuttering
- Best for shuttering and centering work in the construction of
buildings, dams, bridges, beams, roofing, etc.
- Premium quality, high density - 34 kg
- High solid content in resin
- Heavy load capacity, especially for pouring concrete
- Sustains alternate wetting & drying
- Bonded with Phenol Formaldehyde Resins

EG SHUTTERING PLY



AVAILABLE SERIES MECHANICAL STRENGTH PROPERTIES

Density	Grade
34 Kg	BWP
34 Kg	BWR
30 Kg	BWP
30 Kg	BWR
25 Kg	BWR

Modulus of Rupture (Kg/cm2)	9mm	12mm	19mm
Parallel to face grain	650	600	600
Perpendicular to face grain	450	500	500
Tensile Strength (KG/CM)			
Parallel to face grain	425	400	375
Perpendicular to face grain	325	350	375



ISO 9001-2000 Certified Company

BWP
GRADE

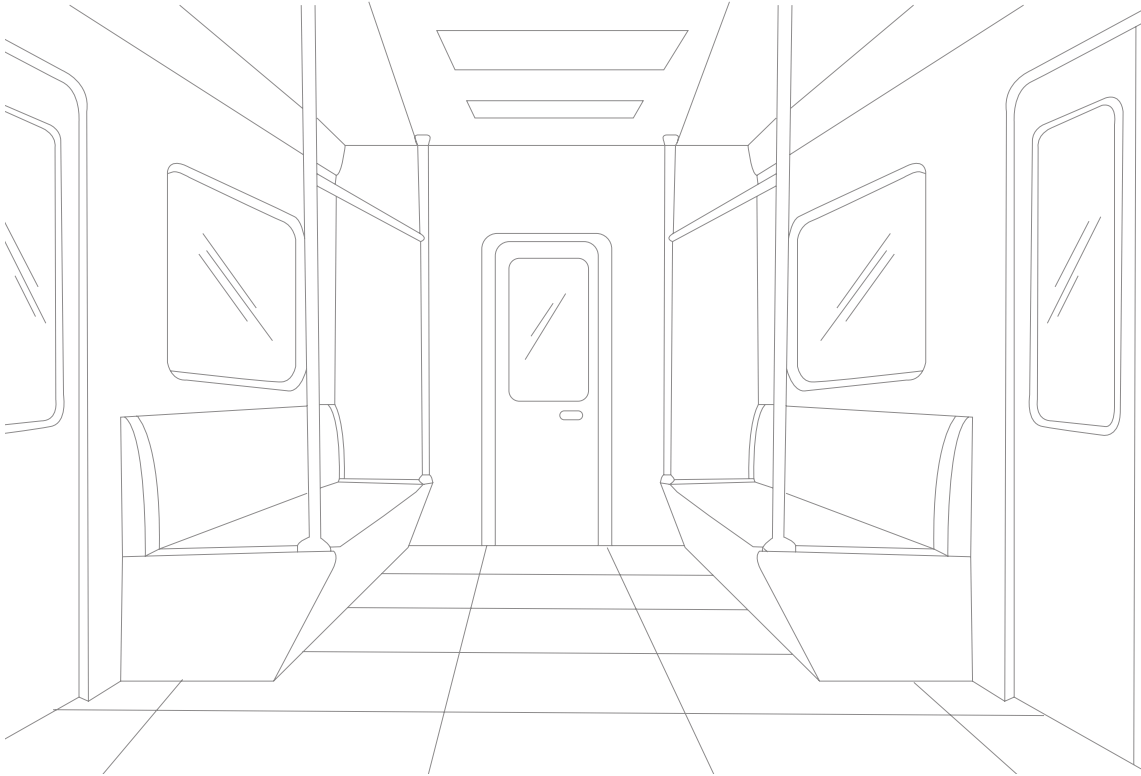




Extremely Resilient & Tough

EG chequered plywood is high-density exterior grade plywood produced under high heat and pressure using Melamine Formaldehyde Resin. Due to high pressure, the panel develops high density that can sustain high traffic on flooring in public ramp. The ply has a chequered pattern on its surface that leads to better ridges and long life holding properties. It possesses excellent strength, durability and all-weather resistance. Chequered ply has extensive use in transport - bus and train floors as skid-resistant floorboard material. EG Chequered Ply is highly appreciated for these striking features.

APPLICATIONS : Bus flooring, factory flooring, industry flooring for cold storage, laboratory flooring, halls, ships and trains



TECHNICAL SPECIFICATIONS

SL NO	DIMENSIONS	BIS REQUIREMENTS	OBSERVATION VALUES
1	Thickness	12mm	11.90mm
2	Squareness	2mm/1000mm	0.55mm
3	Edge straightness	2mm/1000mm	0.50mm
4	Workmanship & finish	Clause	Satisfactory
Physical properties			
5	Density	0.84	0.867
6	Moisture content	5-15%	6.80
7	Bond quality test Boiling - drying @ 60+ _2°c 4 Hrs. - 20 Hrs. Three cycles	a) No Visible delami- nation in glue line and plywood face b) No forcible separation and fibre should be ad- hered between plies	Satisfactory Satisfactory
8	Breaking strength 250 x 50 x Thick- ness(mm)	200kgf	220kgf

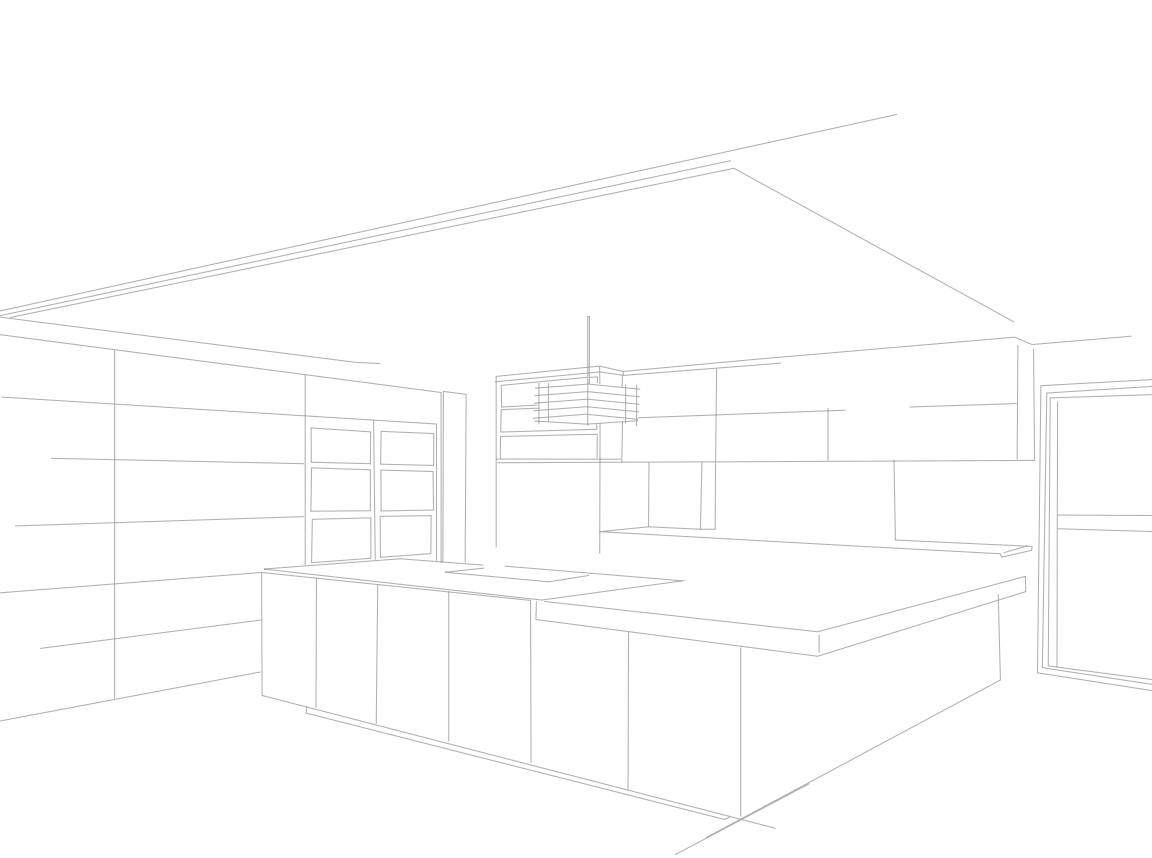




TRUSTED PVC FOAM BOARD

The eco-friendly PVC Foam Boards are in great demand in the market for its reliable and versatile quality. EG Crust, a product from the house of EG Ply has been developed through an integrated quality assurance approach to bestow best possible product.

EG Crust is 100% termite proof and waterproof. It possesses extremely good tensile strength and is available in different dimensions and serves different purposes.



TECHNICAL SPECIFICATIONS

Density	0.6
Size	1220mm x 2440mm
Thickness	18mm
Colour	White

APPLICATIONS

- Suitable for both indoor & outdoor purposes
- Residential furniture
- Office furniture
- Partition & panelling
- Wall cladding etc.

GREEN PRODUCT
FOR A BETTER WORLD



PVC FOAM BOARD

This versatile ply is a thinner version of normal PVC foam boards. The 0.55 mm thickness makes it relatively lighter, yet it brings you all the punch. EG Punch does not compromise on its quality, durability and resilience. The composition makes the ply 100% waterproof and termite proof.

Other than furniture and construction purpose, this specific category of foam boards can be used in making advertising kiosks, garage doors, displays, exhibit spaces & signages. The structure can stay intact and won't lose its strength.



TECHNICAL SPECIFICATIONS

Density	0.55
Size	1220mm x 2440mm
Thickness	17mm
Colour	White

APPLICATIONS

- Suitable for both indoor and outdoor purposes
- Best for light-weight furniture
- Office & home furniture
- Partition and panelling

REIGN OF STRENGTH



QUALITY POLICY

EG Ply had vowed to insure the quality of the products & services offered to our trusted customers. At any drastic situations, we are not ready to make any compromises in this regard.

Being virtuous in our actions, we comply with the relevant laws, policies and regulations deeming for our ethical & quality standards.







EG Environment Care

We are genuinely inclined toward preserving and conserving nature.
EG Ply ensures that the wastage of wood is nil in its manufacturing.
EG products are eco-friendly and are based on values of care.
Care towards a better world, better generations.





www.egplywood.com  egply 

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