

A Product Of



Greenlam
Industries Limited

www.mikasaply.com



MikasaPly

**THE NO
NONSENSE
PLY**

PRODUCT BROCHURE

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DISCOVER ENDLESS POSSIBILITIES WITH **GREENLAM INDUSTRIES**

At Greenlam Industries, we do not just follow trends, we set them. Our global presence in over 100 countries has allowed us to be at the forefront of the surface décor industry.

From our creative solutions to our technological advancements, we have consistently demonstrated our ability to stay ahead of the curve.

But our success is not just attributed to our products. Our exceptional manufacturing processes, widespread distribution network, and unparalleled brand equity, combined with our dynamic and motivated team, have all contributed to our sustained growth and recognition.

With the recent addition of plywood to our product range, Greenlam Industries now offers a complete wood solution, excelling in both surface and substrate to provide the highest quality products.

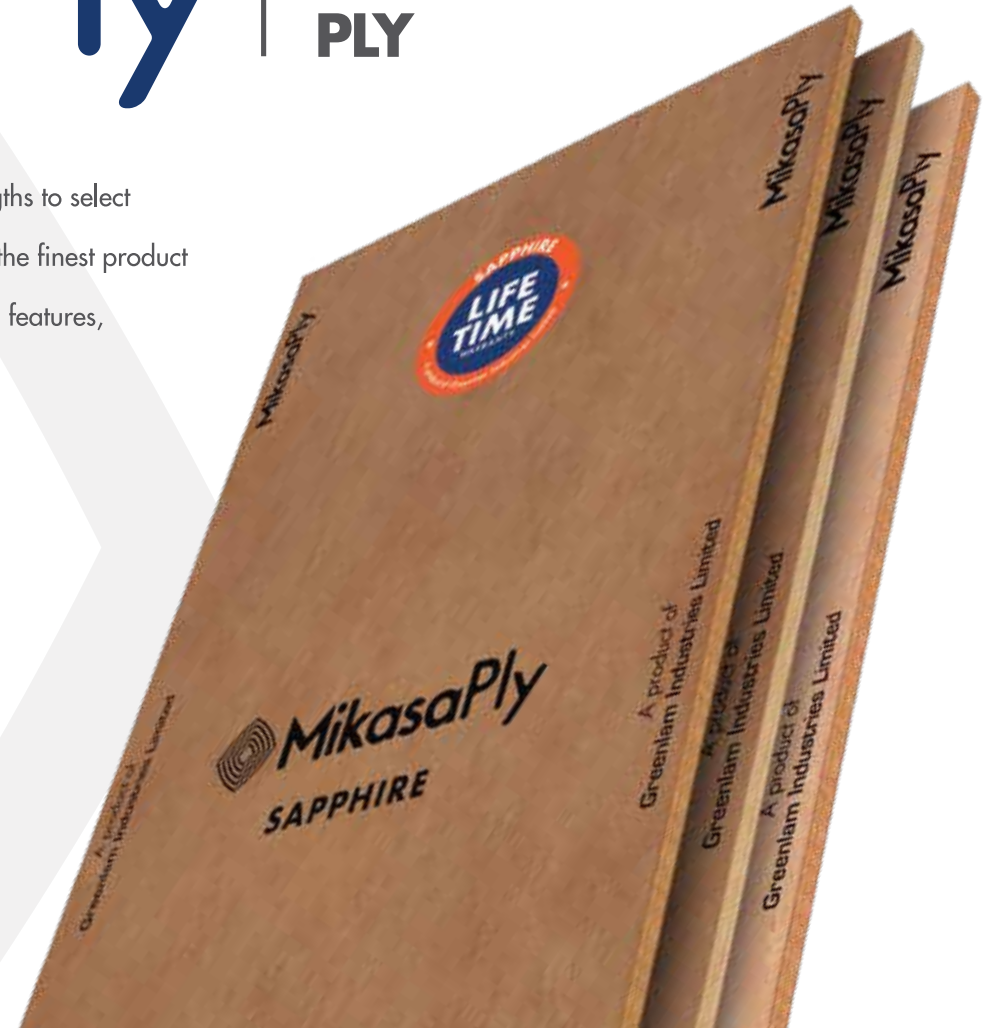
INTRODUCING



MikasaPly

**THE NO
NONSENSE
PLY**

We believe that a ply is only as good as it is made. That's why we go to great lengths to select the best wood, engineer our own plywood, and ensure that our customers receive the finest product in terms of quality and durability. Designed to be user-friendly, free from confusing features, and with a strong focus on sustainability and great efficacy.





WHERE MASTERY TAKES SHAPE

Our state-of-the-art manufacturing plant in Tindivanam, Tamil Nadu, spans 17 acres and has an annual production capacity of 18.9 million square meters. Equipped with automated operations, it ensures consistent product quality with minimal human intervention. We prioritize the safety and well-being of our workers and offer residential facilities, RO drinking water, and a modern fire protection system.

The Tindivanam plant caters to five South Indian states: Andhra Pradesh, Telangana, Karnataka, Kerala, and Tamil Nadu - as well as Goa and one Union Territory, Puducherry. This offers the advantage of a shorter value chain, faster turnaround time, and scope for small yet frequent orders.









LOVES NATURE. LOVED BY NATURE.

Sustainability is at the forefront of everything we do. We ethically source our wood from agroforestry plantations, reducing our environmental impact and promoting sustainable farming practices. Our commitment to reducing waste is reflected in our use of the latest, customized machinery, which allows us to deliver the finest quality ply with minimal waste.

We have partnered with a research agency to promote sustainable farming practices. Our plant is equipped with an advanced zero liquid discharge system that includes effluent and sewage treatment units to ensure environmentally sustainable operations. Our plywood plant ensures the discharge of clean air and a pollution-free environment. By being the first plant to implement pollution control equipment, we are committed to prioritizing sustainability.

We conserve water through recharge pits and recycling, ensuring the best utilization of this precious resource. At Greenlam Industries, we ensure not to disturb the delicate balance of nature.

THE MANY WAYS OF GOOD GRADES

MikasaPly provides a range of products that are both user-friendly and packed with advanced features, making them suitable for a wide range of applications, including residential, commercial, and industrial settings.

The No Nonsense Ply comes with a smooth surface, and minimal emission factor due to triple-stage resin treatment. Moreover, each MikasaPly is vacuum-pressure chemically treated for termites, borers, bacteria, and fungus, to deliver a defect-free product that also has high impact and tensile strength.

POWERED BY



VPCT: Vacuum Pressure Chemical Treatment

CMD: Conditioning through Mechanized Drying

MCC: Mechanized Core Composers

MTST: Modified Triple-Stage Technology

ATAB: Anti-Termite & Anti-Borer

QCPT: Quad-Core Press Technology

PCT: Precision Calibration Technology

HIRT: High-Impact Resistant Technology

AFAB: Anti-Fungal & Anti-Bacterial

HTS: High-Tensile Strength

SAPPHIRE

MARINE BLUE

MARINE

MR+

FIRE GUARDIAN

SAPPHIRE

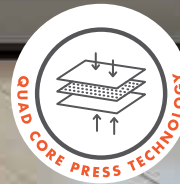


Sapphire is a superior-grade plywood composed of premium hardwood with 0.6mm face veneer thickness on each side. It is manufactured using E0 certified resin, ensuring that it has zero emissions, making it an eco-friendly option. This high-strength product is molded from 100% composed veneer ensuring optimal quality. Sapphire is fire-retardant, providing safety against fire hazards. It is vacuum-pressure chemically treated, making it resistant to fungus, bacteria, borer, and termite. With a lifetime warranty, Sapphire is the ultimate choice for those who demand nothing but the finest quality in their plywood products.

APPLICATIONS

- Indoor and Outdoor Furniture
- Interior Designs - Domestic and Commercial Buildings
 - Cabinets and Shelving
 - Sports Equipment - Musical Instruments
- Insulation Boxes - Shipbuilding and other Marine Applications
- Bathroom Interiors and Under-Sink Cabinets









Thickness in mm	Number of Plies
4mm	5
6mm	7
9mm	9
12mm	11
16mm	13
19mm	15
25mm	17
Face Veneer	0.6MM thick premium hardwood face
Fire Retardant	Yes
Emission Norms	Bonded with E0 certified resin
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	730
Nail Holding Strength (kg)	≥150
Screw Holding Strength (kg)	≥275
Impact Resistance	Excellent strength and dimensional stability due to higher number of plies

TECHNICAL SPECIFICATION

Quad-Core Press	Yes
100% Composed Veneer	All layers are pre-composed in an automatic state-of-the-art machine
Adhesives of Plies	
<i>Glue Shear Strength (N)</i>	≥1755
<i>Visual Inspection</i>	Excellent
Moisture Content (%)	8 -12
Water Absorption (%)	<5
Static Bending Strength (N/mm²)	
Modulus of Rupture (MOR):	
<i>Along the grain</i>	≥60
<i>Across the grain</i>	≥45
Modulus of Elasticity (MOE):	
<i>Along the grain</i>	≥9000
<i>Across the grain</i>	≥5200
Adhesive	Phenolic adhesive
Calibration	100% as per Precision Calibration Technology

IS 710



CM/L - 6700097613

A PROMISE OF
GENUINE PLY



SCAN TO VERIFY
YOUR PLYWOOD'S
AUTHENTICITY.

MARINE BLUE



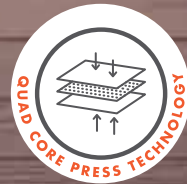
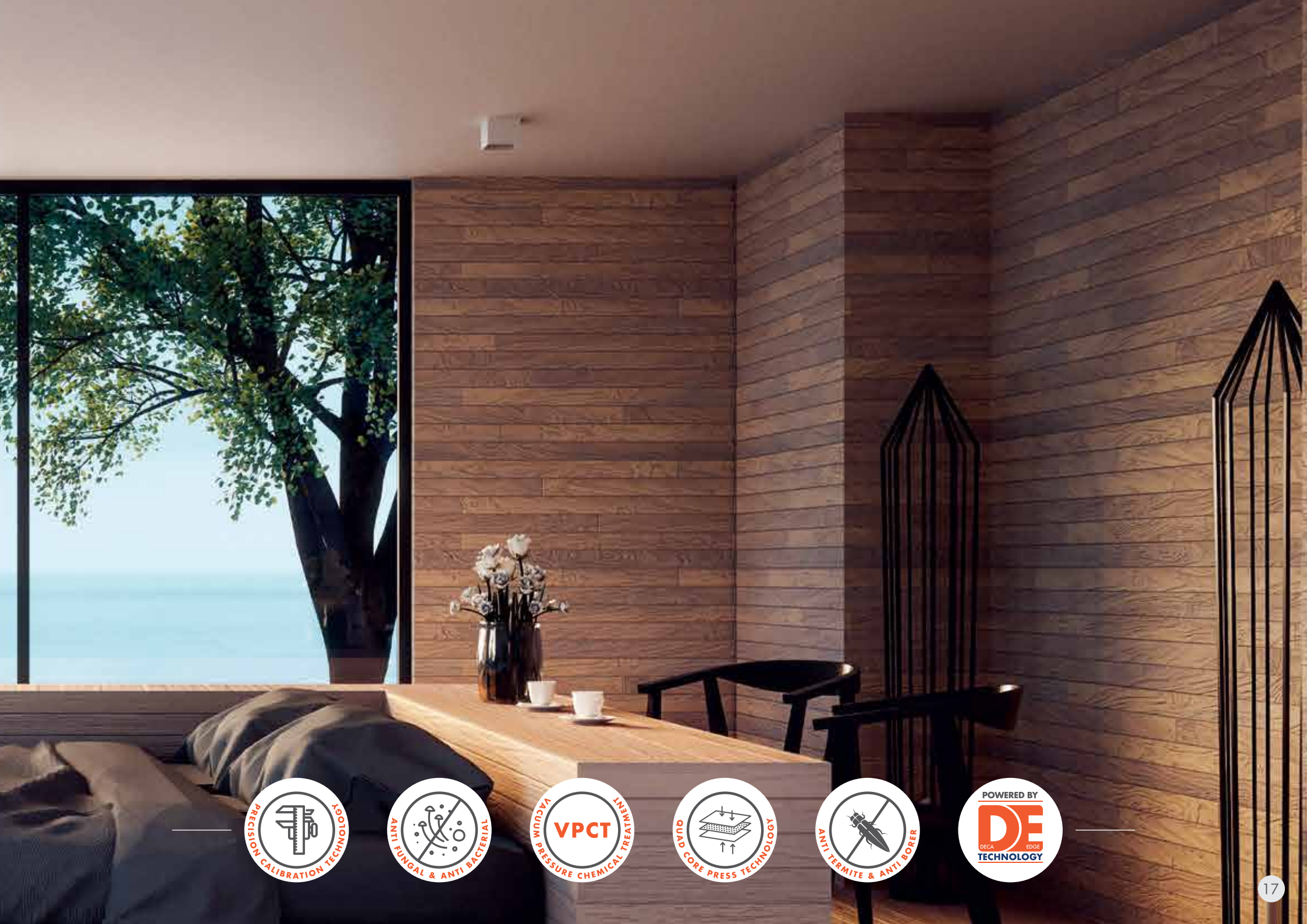
Marine Blue is a boiling waterproof veneer crafted from 100% tropical wood with a face veneer thickness of 0.30mm, making it suitable for indoor and outdoor furniture. This premium plywood adheres to strict emission standards, ensuring 100% calibration, high tensile strength, and preservation treatment. It is an excellent choice for interior designs and kitchen cabinets.

With a 25-year warranty, Marine Blue is resistant to fire, bacteria, fungi, borers, termites, and can withstand high-pressure impact conditions. Marine Blue is the perfect blend of durability and quality for all your furniture needs.

APPLICATIONS

- Indoor and Outdoor Furniture
- Office Woodwork - Partitions and Panelling
- Furniture and Kitchen Cabinet
- Bathroom Interiors - Under-Sink Cabinets
- Domestic and Commercial Buildings





**ALSO AVAILABLE IN
BLOCKBOARD**





MARINE BLUE

Thickness in mm	Number of Plies
4mm	5
6mm	5
9mm	7
12mm	9
16mm	11
19mm	13
25mm	17

Fire Safety	Yes
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	700
Impact Resistance	High strength & dimensional stability
Screw Holding Strength (kg)	≥250
Nail Holding Strength (kg)	≥105
Quad-Core Press	Yes

TECHNICAL SPECIFICATION

Adhesives of Plies

Glue Shear Strength (N) ≥1620

Visual Inspection Excellent

100% Composed Veneer All layers are pre-composed in an automatic state-of-the-art machine

Moisture Content (%) 8 -12

Water Absorption (%) <5

Static Bending Strength (N/mm²)

Modulus of Rupture (MOR):

Along the grain ≥55

Across the grain ≥40

Modulus of Elasticity (MOE):

Along the grain ≥8000

Across the grain ≥4800

Adhesive Phenolic adhesive

Emission Norms Bonded with E1 certified resin

Calibration 100% as per Precision Calibration Technology

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MARINE



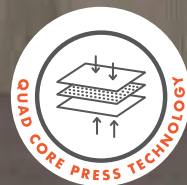
Marine is a boiling waterproof plywood crafted from tropical wood, with a face veneer thickness of 0.30mm. It is compressed using revolutionary Quad-Core Press Tech, ensuring no deformation under high pressure, making it the go-to choice for multiple marine applications. This grade is made with 100% calibration, precision, high tensile strength, and is backed by a 20-year warranty.

Crafted to meet higher standard emission norms, Marine is resistant to borers, termites, and microbial attacks, making it the perfect choice for furniture exposed to higher moisture conditions such as kitchen applications.

APPLICATIONS

- **Modular Kitchen - Cabinets and Shelving**
- **Furniture, Interior Design and Fittings**
- **Woodwork and Joinery**
- **Areas exposed to moisture, both inside and outside**
- **False Ceilings**









TECHNICAL SPECIFICATION

Thickness in mm	Number of Plies
4mm	5
6mm	5
9mm	7
12mm	9
16mm	11
19mm	13
25mm	17
Screw Holding Strength (kg) ≥220	
Nail Holding Strength (kg) ≥100	
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Static Bending Strength (N/mm²)	
Modulus of Rupture (MOR):	
<i>Along the grain</i>	≥55
<i>Across the grain</i>	≥35

Modulus of Elasticity (MOE):	
<i>Along the grain</i>	≥7500
<i>Across the grain</i>	≥4400
Adhesive	Phenolic adhesive
Impact Resistance	High strength & dimensional stability
Quad-Core Press	Yes
100% Composed Veneer	Machine composed core
Density approx. in kg per CBM	680
Moisture Content (%)	8 - 12
Adhesives of Plies	
<i>Glue Shear Strength (N)</i>	≥1480
<i>Visual Inspection</i>	Excellent
Water Absorption (%)	<5
Emission Norms	Bonded with E1 certified resin
Calibration	100% as per Precision Calibration Technology

IS 710



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A PROMISE OF GENUINE PLY



SCAN TO VERIFY YOUR PLYWOOD'S AUTHENTICITY.



MR+

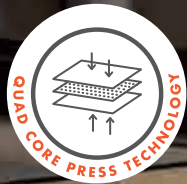
MR+ is a high-quality moisture-resistant plywood, perfect for upscale packaging, furniture parts, and more. It is made from tropical wood with a face veneer thickness of 0.30mm. This grade is crafted to meet higher emission standards and is resistant to borers, termites, and microbial attacks.

The machine-composed veneer is perfectly calibrated, bonded with E1 certified resin. Plus, with a 15-year warranty, MR+ is the ply for long-lasting durability.

APPLICATIONS

- High-End Packaging - Wardrobes
- TV Table Units - Partitions and Panelling
- Cabins - Tables - Sofas and Chairs
- Beds and more





ALSO AVAILABLE IN
BLOCKBOARD





Thickness in mm	Number of Plies
4mm	5
6mm	5
8mm	7
12mm	9
16mm	11
18mm	13
25mm	17

Impact Resistance	High strength & dimensional stability
100% Composed Veneer	Machine composed core
Quad-Core Press	Yes
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	650

TECHNICAL SPECIFICATION

Static Bending Strength (N/mm²)

Modulus of Rupture (MOR):

Along the grain ≥ 55

Across the grain ≥ 35

Modulus of Elasticity (MOE):

Along the grain ≥ 7500

Across the grain ≥ 4400

Screw Holding Strength (kg) ≥ 220

Nail Holding Strength (kg) ≥ 100

Adhesives of Plies

Glue Shear Strength (N) ≥ 1480

Visual Inspection Excellent

Moisture Content (%) 8 -12

Water Absorption (%) ≤ 5

Adhesive Amino adhesive

Emission Norms Bonded with E1 certified resin

Calibration 100% as per Precision Calibration Technology

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FIRE GUARDIAN



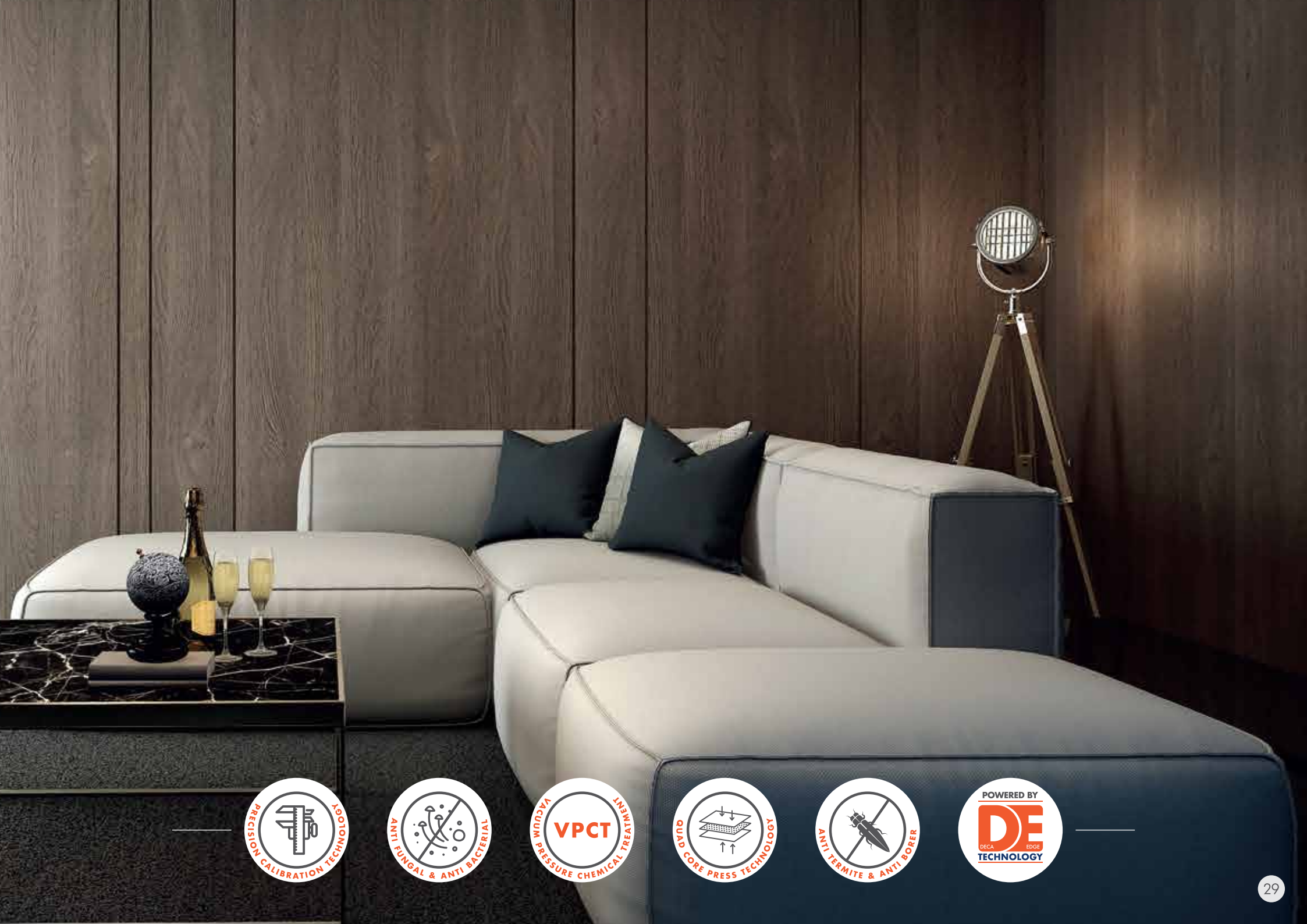
Fire Guardian is the ideal choice for both domestic and commercial purposes due to its strong fire-retardant properties. This 100% composed veneer is crafted using Quad-Core Press Technology and tropical wood, ensuring a face veneer thickness of 0.30mm.

This grade is ideal for kitchen woodwork, office furniture, and as entrances and exits. It is bonded with E1 certified resin and is treated with anti-fungal and anti-bacterial properties. Each Fire Guardian veneer is treated with preservatives while being pressed through Vacuum Pressure Chemical Treatment. This grade is meticulously crafted to ensure a 25-year warranty and will prove useful in sensitive areas with heavy wiring.

APPLICATIONS

- Kitchen Cabinets - Furniture
- Ceilings and Roofs - Schools and Hospitals
- Multiplexes and in Exhibition Stalls
- Office Woodwork - Railway Coaches
- Vehicle Bodies









FIRE GUARDIAN

Thickness in mm	Number of Plies
4mm	5
6mm	5
9mm	7
12mm	9
16mm	11
19mm	13
25mm	17
Fire Retardant	Yes
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	700
Impact Resistance	High strength & dimensional stability
Screw Holding Strength (kg)	≥250
Nail Holding Strength (kg)	≥105
Quad-Core Press	Yes

TECHNICAL SPECIFICATION

Adhesives of Plies

<i>Glue Shear Strength (N)</i>	≥1620
<i>Visual Inspection</i>	Excellent

100% Composed Veneer	All layers are pre-composed in an automatic state-of-the-art machine
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Moisture Content (%)	8 - 12
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Water Absorption (%)	<5
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Static Bending Strength (N/mm²)

Modulus of Rupture (MOR):

<i>Along the grain</i>	≥55
<i>Across the grain</i>	≥40

Modulus of Elasticity (MOE):

<i>Along the grain</i>	≥8000
<i>Across the grain</i>	≥4800

Adhesive	Phenolic adhesive
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Emission Norms	Bonded with E1 certified resin
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Calibration	100% as per Precision Calibration Technology
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IS 5509



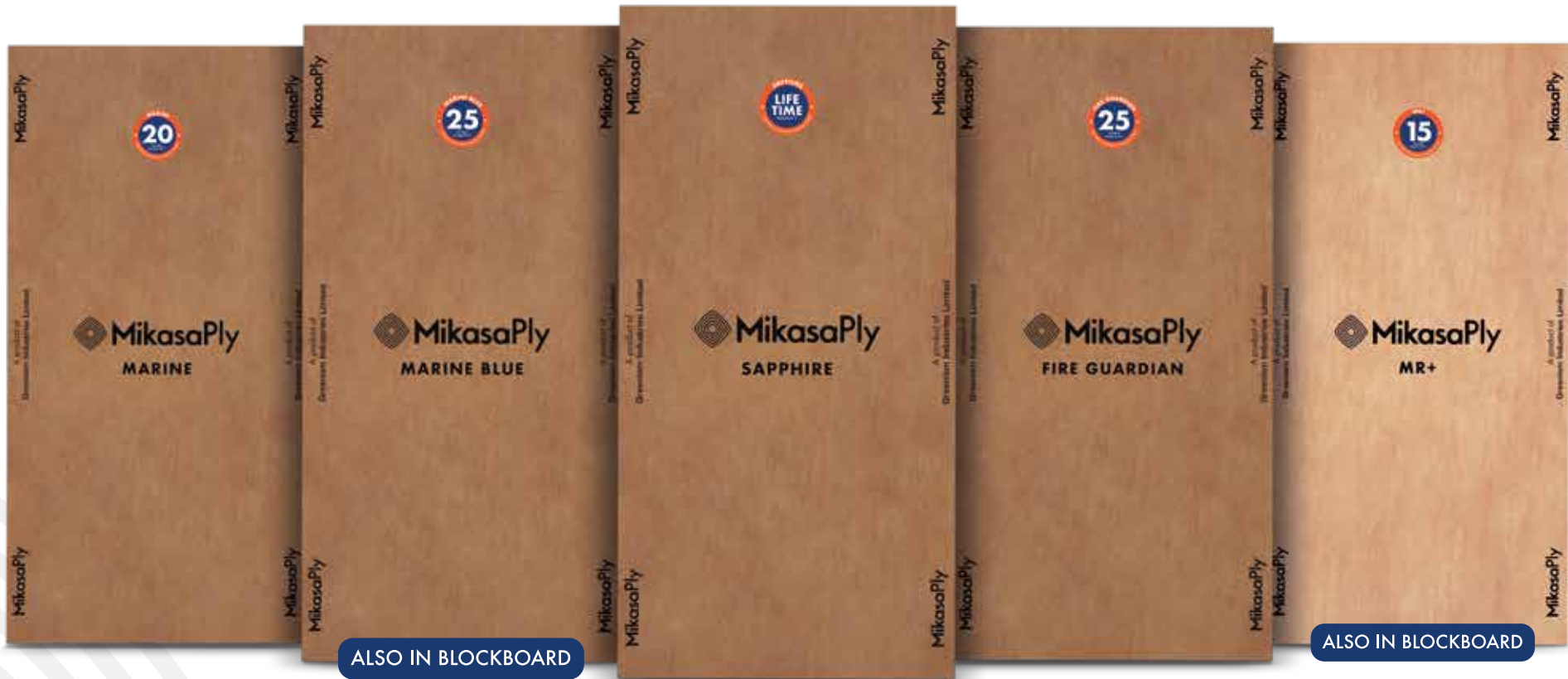
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A PROMISE OF GENUINE PLY



SCAN TO VERIFY YOUR PLYWOOD'S AUTHENTICITY.

OUR RANGE





“

Planet is the only home,
there is No planet B.

”



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