

Interiors & Decor

PLY



PARUL MITTAL
Director
Greenstar Industries

Redefining Plywood FOR MODERN DESIGN AND CONSTRUCTION

"From strength and durability to aesthetics and sustainability, plywood has transformed into a future-ready material. Milana Plywood leads this evolution with innovation that balance performance, usability, and environmental responsibility."

How has plywood technology evolved to meet the demands of modern interior design and construction?

Plywood has evolved from a basic utility product to a premium-engineered material suited for modern design and construction. Milana Plywood, with its Deep Edge Technology and vacuum-pressed treatment, ensures unmatched strength, dimensional stability, and premium finish, making it ideal for contemporary interiors.

From a construction perspective, advanced plywood today provides superior load-bearing capacity, moisture resistance, and fire-retardant properties, proving essential

for flooring, roofing, partitions, and framework. Its double profile supports inter, gables, and more cost-efficient building practices. By bridging aesthetics and performance, Milana Plywood redefines plywood as a versatile for both interior elegance and robust construction.

What innovations are being introduced to enhance the strength and durability of plywood?

Milana Plywood incorporates Qual-Care Press Technology, Vacuum-Chemical treatment, and 100% external resins to enhance moisture and structural stability. Certified under various IS certifications like IS 700, IS 303, IS 3036, IS 3085, these boards are engineered for greater and better resistance, stain and fire resistance ensuring long-lasting performance. This combination of innovations delivers the reliability that designers, architects, and contractors seek for demanding applications.

How do you ensure sustainability in your plywood production process?

Sustainability is at the heart of everything we do. At Milana Plywood, we ethically source our wood from government plantations, reducing our environmental impact and promoting sustainable logging practices. Our commitment to sustainability is also reflected in our use of the latest, automated machinery, enabling precision production with minimal resource loss. Complemented by energy-efficient manufacturing and low-emission resins, our processes deliver eco-friendly plywood that meets global standards and green building requirements, ensuring responsible growth and living with environmental stewardship.

What are the key trends in plywood finishes and textures that designers are currently preferring?

While the core of plywood lies in its flexibility and strength, designers today are increasingly combining finishes with looks, high-grade natural ply like Milana offers an elegant finish with soft, warm, and luxurious, offering to minimalist, rustic, and natural textures that elevate modern interiors.

How does plywood perform in terms of moisture resistance and longevity in different climates?

Milana Plywood's EWR-Qual/Milana Plywood Marine Blue and Marine are BVR certified, ensuring resistance to boiling water, moisture, and fungal decay. With a service life extending up to 30 years, they deliver consistent, competitive performance across humid, coastal, and varying climatic conditions with out warping or structural compromise.

Can you share some creative applications of plywood beyond traditional uses in interiors?

Beyond conventional cabinetry and flooring, Milana Plywood's superior fire-retardant and structural grade plywood is increasingly used in sophisticated kitchens, home theatres, hospitality spaces, and outdoor furniture, ensuring safety, durability, and design flexibility. From acoustic partitions to park foundations, integrating ply into innovative applications where both form and function matter (Additional inputs as to specific creative applications may be needed).

What challenges do you face in maintaining quality while scaling up production?

Scaling up often risks inconsistency, but at Milana Plywood, our 17 new plants equipped with advanced European machinery ensure precision and productivity. By integrating automation and stringent quality checks, we uphold our promise of strength, timely consistency, and durability, even at high production volumes.

How do you address fire safety standards in your plywood production?

Safety is intrinsically integral to our product design and development. Our Supreme, Marine Blue and Fire-Guardian plywood are engineered with fire-retardant technology, rigorously tested under IS 3085:2022 standards. These plys not only delay fire spread but also maintain structural stability, making them ideal for critical applications.

What role does ply play in supporting environmental and green building certifications?

Supporting eco-friendly endeavours has always been at the heart of our work at Milana Plywood. We are committed to enabling a greener future by adopting practices that are both powerful and progressive. From using low-emission BVR11 resins that improve indoor air quality to ensuring wood is sourced from government plantations, every step of our process is designed with sustainability in mind. Our advanced, water-resistant production ensures maximum efficiency while reducing environmental impact. By supporting global green building initiatives, we empower architects and developers to achieve international certifications, aligning construction with modern environmental benchmarks.

What new technologies or materials are you exploring to improve plywood's versatility and environmental impact?

We are continuously advancing through innovations like Deep Edge Technology, VPCV (Vacuum Press Chemical Technology), XATAD (zero-formaldehyde board), AdhB (anti-fungal and anti-mould), Qual-Care (premium, 40 Press Technology) and for Supertech and precision calibration. These technologies improve product quality, durability, hygiene, and safety, while not compromising eco-friendliness and plantation timber emphasis. These plywood's relevance in sustainable, future-ready construction.