Vöhringer



AIRPLY®

The evolution of composite panels for the marine industry

OUR MISSION AND VISION

We are committed to innovative lightweight solutions. The latest processing technologies and competent employees guarantee excellent customized work. In this way, we not only want to reduce the weight of products, we also create unique possibilities and give more freedom to individual lifestyles.



Jürgen Vöhringer



Yannick Vöhringer



Raven Vöhringer

WHAT WE STAND FOR

Innovation

We deliver maximum performance with the latest technologies, continuous development and advanced materials.

Quality

We guarantee first-class results thanks to our careful selection of materials and strict quality control.

Service

We support you with expert knowledge and customized solutions.

ABOUT US

Intelligent wood processing for over 100 years. Based on this tradition - and a keen sense of innovation - we have become what our customers value so highly today: The specialist in lightweight construction for the high-quality outfitting of motor homes and caravans, but also for the furniture industry, trade fair construction, yacht design and much more.

When it comes to the production and coating of profiles and furniture parts or the use of polyurethane (PU) as a waterproof lightweight construction material, Vöhringer is the leading system supplier.

Our lightweight solutions not only reduce the weight of products. They also create unique creative possibilities, open up new opportunities for individual lifestyles, and - for example, through considerable savings in raw and other materials - provide a significant boost to sustainability.

MILESTONES

- 2021 100th company anniversary
- 2009 New production site in Engstingen-Haid
- 1988 Expansion to furniture part systems in the complete postforming process
- 1976 Expansion of production with three laminating systems, successive expansion to furniture parts and furniture fronts
- 1921 Foundation by the brothers Ernst and Ludwig Vöhringer

Test the best. Material testing in our own laboratory
In our own laboratory, we test our materials, simulate weather and climatic influences, test and document mechanical properties such as tensile or flexural strength and, during material testing, ensure that they are harmless to health in compliance with statutory requirements.

Wood products and forestry
Commitment starts with purchasing. Our wood products come exclusively from responsible forestry. This is how we contribute to the sustainable use of forests. You can not only rely on ecologically sound raw materials, but also on environmentally friendly production. Our certified environmental management ensures this.

Environment & people
Each material we use has its own origin and purpose. Every product that leaves one of our production plants has an indirect impact on people and the environment. We try everything to ensure that this happens in a balanced relationship. We take responsibility for this together.



Trochtelfingen (Germany)

35,000 m² area, 8 laminating machines with a capacity of up to 70,000 m² daily

Engstingen-Haid (Germany)

30,000 m², 7 wrapping lines, 8 PU foaming machines and 7 CNC machines

Get to know our products and ideas on the following pages - the VLIGHT BASICS as well as our latest innovation AIRPLY®, specially developed for the demanding yacht industry.

VLIGHT BASIC

LIGHTWEIGHT CONSTRUCTION IN EVERY FORM

Panel lamination

We laminate any suitable material - from plywood, MDF, HDF and particleboard to innovative sandwich and plastic panels. Equally flexible are the surfaces: paper, foil or laminates (from super-matt to high-gloss).

With eight state-of-the-art machines and experienced employees, we are perfectly equipped to meet your needs.

- Width: up to 1,300 mm
- Length: up to 3,000 mm
- Thickness: up to 50 mm

Wrapped profiles and mouldings

Choose profiles made from Obeche, MDF, PU, PVC or aluminum. On request, we can then coat them with a decor of your choice. The all-inclusive service, from the manufacture of the profile milling cutters to the final CNC machining, comes from a single source. Up to 640 mm wide on request.





State-Of-The-Art Processing Technologies And Competent Employees Guarantee Excellent Custom Work.



Furniture parts and furniture production

We manufacture two- or three-dimensional furniture fronts, free-form elements such as office desks, postforming elements and anything else that will delight your customers.

Since we manufacture many primary materials in-house, we are extraordinarily flexible: We supply furniture parts, complete kits or also prefabricated products such as door bars and profiles. Together with you, we develop a custom solution. The manufacture of PU furniture is one of Vöhringer‘s particular strengths - with a range of services that you will have to search long and hard for elsewhere. Tell us what you want and we will get to work!

Moulded Parts

- 27 vacuum presses
- CNC machinery at the most modern level
- More than 300 moulds
- Dispersion adhesives
- PUR hot melt
- Press size up to 3,230 x 1,400 mm

Edge

- Wrapping
- Postforming
- Narrow surface edging thin and thick edges

Polyurethane (PU)

Due to its extreme versatility, PU is suitable both for cost-effective production and for individual moulds. Foam weights vary depending on the intended use, semi-rigid foams and in-mould-coatings are also part of our product range. Robots ensure consistent quality in PU production during the injection process.





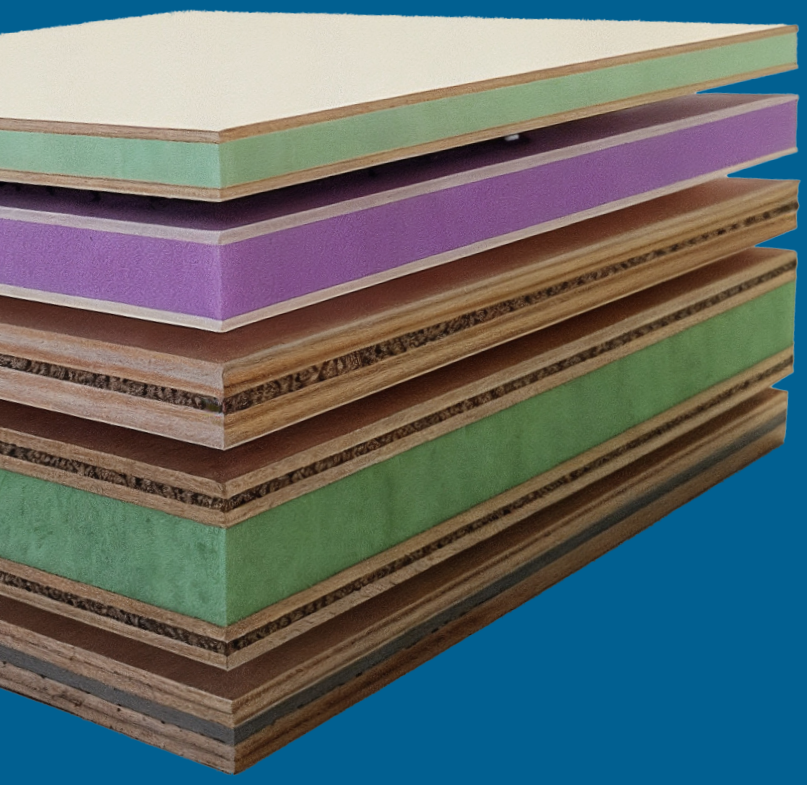
AIRPLY®

Set new standards for performance, efficiency, and sustainability for your yacht—and far beyond.

With **AIRPLY®**, Vöhringer's innovative lightweight panel, you benefit from a solution developed for the demanding yachting industry, yet also ideal for interior design, high-end furniture, commercial space design, RVs, transportation, and lightweight architecture.

Discover how AIRPLY® not only makes your project lighter and more high-performing, but also optimizes custom installations thanks to its advanced technology, exceptional stability, and superior quality.

Trust in innovation and cutting-edge expertise to create elegant, functional, and sustainable spaces—both on the water and on land.



AESTHETIC APPEARANCE

The extraordinary aesthetics give your interior and deck a noble look. Create an atmosphere of elegance and exclusivity with AIRPLY®.

EASY TO PROCESS

AIRPLY® is effortless to cut and process, saving you valuable time and money in the construction process. Perfect for individual designs and customised solutions.

ENVIRONMENTALLY FRIENDLY

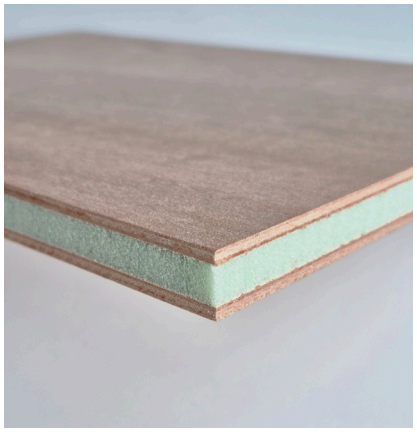
Made from sustainable materials, AIRPLY® helps to reduce your ecological footprint and supports environmentally conscious building practices.

LIGHT AND STABLE

AIRPLY® combines low weight with exceptional strength. Reduce the overall weight of your yacht without compromising on stability.

AIRPLY® MARINE

The five AIRPLY® variants XPS, PET Poplar, PET Okoumé, Sound and Supersound offer the ideal solution for your yacht building application. We use sustainable materials made from 100% recycled PET, cork and plywood



AIRPLY® PET OKOUMÉ

2500 x 1220 mm

AIRPLY® PET OKOUMÉ combines okoumé plywood (3 mm) with a variable PET core (6–20 mm). The result: a stable, lightweight and thermally insulating solution for yacht building, ideal for weight reduction and thermal insulation.

Download the Data Sheet

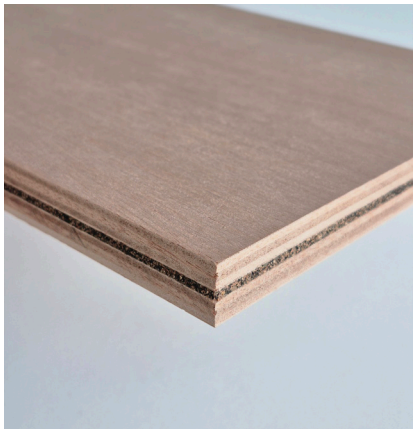


AIRPLY® PET POPLAR

2500 x 1220 mm

AIRPLY® PET POPLAR is a composite panel made of a face of poplar plywood (3 mm) and a core of recycled PET (6-22 mm). It is produced using premium quality plywood manufactured by Panguaneta.

Download the Data Sheet

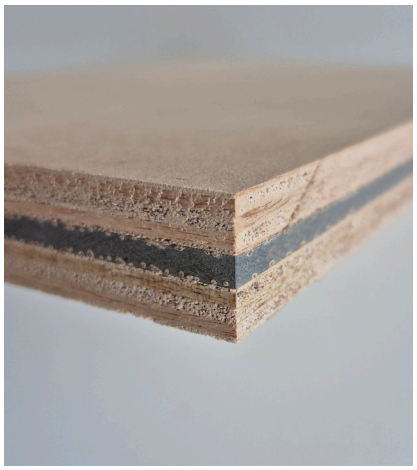


AIRPLY® SOUND

2500 x 1220 mm

With okoumé plywood (4-10 mm) on the outside and a cork core (3 mm) on the inside, this panel offers excellent acoustic absorption. Perfect for areas where quiet and comfort on board are essential.

Download the Data Sheet

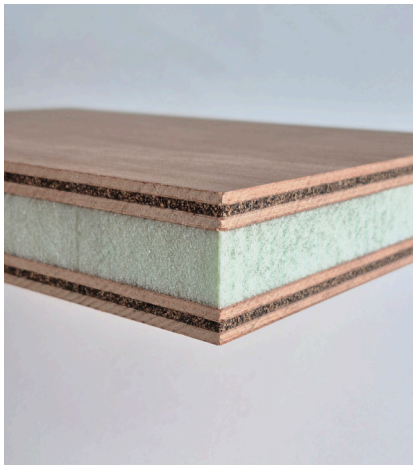


AIRPLY® SUPERSOUND

2500 x 1220 mm

STRATO HIGH-SOUND reduces even low-frequency noise and persistent structure-borne vibrations thanks to its high-density rubber core. Available with poplar or okoumé facings – for effective sound insulation with low weight or enhanced durability.

Download the Data Sheet



AIRPLY® SUPERSOUND

2500 x 1220 mm

This premium solution combines the AIRPLY® SOUND (4 mm okoumé plywood and 3 mm cork) with an additional PET core (22 or 30 mm). The result: first-class sound insulation, low weight and excellent thermal insulation – ideal for demanding applications in yacht building.

Download the Data Sheet



AIRPLY® XPS

2500 x 1220 mm

AIRPLY® XPS, a plywood (3,5 mm) with an XPS core (5-21 mm), the super-lightweight alternative to conventional plywood. This simple yet groundbreaking innovation promises a multitude of advantages.

Download the Data Sheet

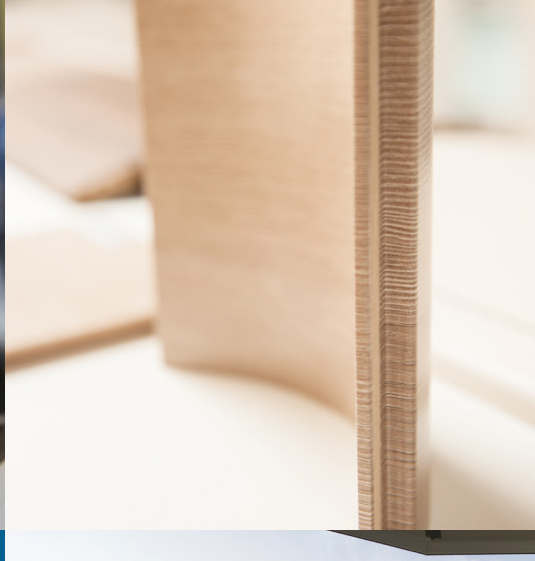
WE TAKE OUR RESPONSIBILITY SERIOUSLY

At Vöhringer we are always one step ahead when it comes to environmental protection and sustainability. For example, our company has long been working consistently to reduce its ecological footprint - through measures to reduce CO2 and careful use of natural resources. Since 2013, we have had a certified environmental management system (DIN EN ISO 14001). In 2014, we added a certified energy management system (DIN EN ISO 50001). And since 2021, our production has been completely climate-neutral.









INNOVATION ON COURSE WITH VÖHRINGER







// Sandwich Panels
Maximum stability with minimal weight for boats and yachts

// Panel Lamination
Tailored surfaces to meet unique marine design needs

// Composite Furniture
Functional, elegant and perfect for marine interiors

// Water-Resistant Construction Components
Durable and safe, designed for marine environments

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Vöhringer

INNOVATION INSIDE