



HOANG CHAU
Plywood international



PROFILE COMPANY

© HOANG CHAU PLYWOOD INTERNATIONAL

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WELCOME TO HOANG CHAU INTERNATIONAL

The leading plywood and wood products manufacturer corporation in Vietnam

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1 INTRODUCTION

HISTORY

HoangChau Plywood International is a member of Hoang Chau Group specializing in manufacture, trading of plywoods in the international market. Hoang Chau has long been known as the leading plywood manufacturer in Vietnam. We are committed to bring our customers the highest quality products at the most reasonable cost as a top priority.

Hoang Chau was established in 2012. After 10 years of development, the Company has become a multidisciplinary company in the field of wood and material processing for construction and large commercial business in Vietnam. Hoang Chau's products are trusted and widely used throughout the country and export.



- 2012** Established Hoang Chau Company specializing in distribution, import and export of wood products and construction materials
- 2016** Founded the first manufacturing plant with name of Thang Long specializing in manufacture of wood products
- 2019** Restructured shareholders and renamed the factory to Hoang Chau Plywood
- 2021** Be granted ISO 9001 Certificate
- 2022** Hoang Chau Group plans to build 2nd manufacturing plant

VISION

Be the leader in formwork products in Southeast Asia by 2024

MISSION

- ▶ Bring the highest benefits to customers and partners
- ▶ Create happiness for employees and society
- ▶ Promote comprehensive and sustainable development

SLOGAN

Bring the best further

CORE VALUES

Dedication-Stature - Prestige-Contribution

BUSINESS PHILOSOPHY

- ▶ Continuously improve and innovate to bring customers high quality, environmentally friendly products
- ▶ Always listen to and understand customers
- ▶ Target to sustainable business and responsible for the community



HOANG CHAU MANUFACTURING FACILITIES

Hoang Chau constantly improves production technology and techniques to meet the demand for high output and quality of the market.

The factory located in Binh Phuoc province, Vietnam with a total area of 50,000m² is one of the most well-invested factories in film-coated formwork plywood industry. The factory's production process is granted with FSC, ISO 9001-2015 and CARB 2 Certificates by reputable international assessment organizations.



In addition, Hoang Chau's finished product warehouses are distributed throughout the territory to ensure the most convenient storage and timely delivery.



2 QUALITY MANAGEMENT SYSTEM AND CERTIFICATES

Quality Management System and International Standard Certificates

Thanks to the closed production process, well-trained production team, Hoang Chau's products always have a strong commitment to quality and have been trusted by customers for many years.

We always consider creating quality products as our vital mission and always strive for continuous innovation to provide customers with the highest quality products complying with international standards.



Certifications for quality management systems in production

- ▶ ISO 9001-2015 Certificate
- ▶ FSC, CARB-P2 Certificate for wood origin and emission
- ▶ ISO 45001-2018 Certificate for production safety



Quality Inspection and Control System

Hoangchau Plywood has built a complete quality inspection and control system for all steps in both manual and machine-integrated production lines under a rigorous process meeting international standards.

The products, after being completed and underwent internal QC procedures in the factory, will be randomly sampled and submitted to internationally accredited laboratories for testing again before shipping to customers.

The equipment used in the inspection process of our QC Department are also periodically tested and calibrated at the national quality assurance and testing center to ensure the highest accurate measurement efficiency according to international standards.



Safety, Health, Environment Management Process

Hoang Chau Factory always pays a special attention to occupational safety and workers' health. Hoang Chau not only fully provides protective and safety equipment for production workers but also develops a regime to take care of employees' lives, pays full health insurance and strictly follows the Government's Labor Law.

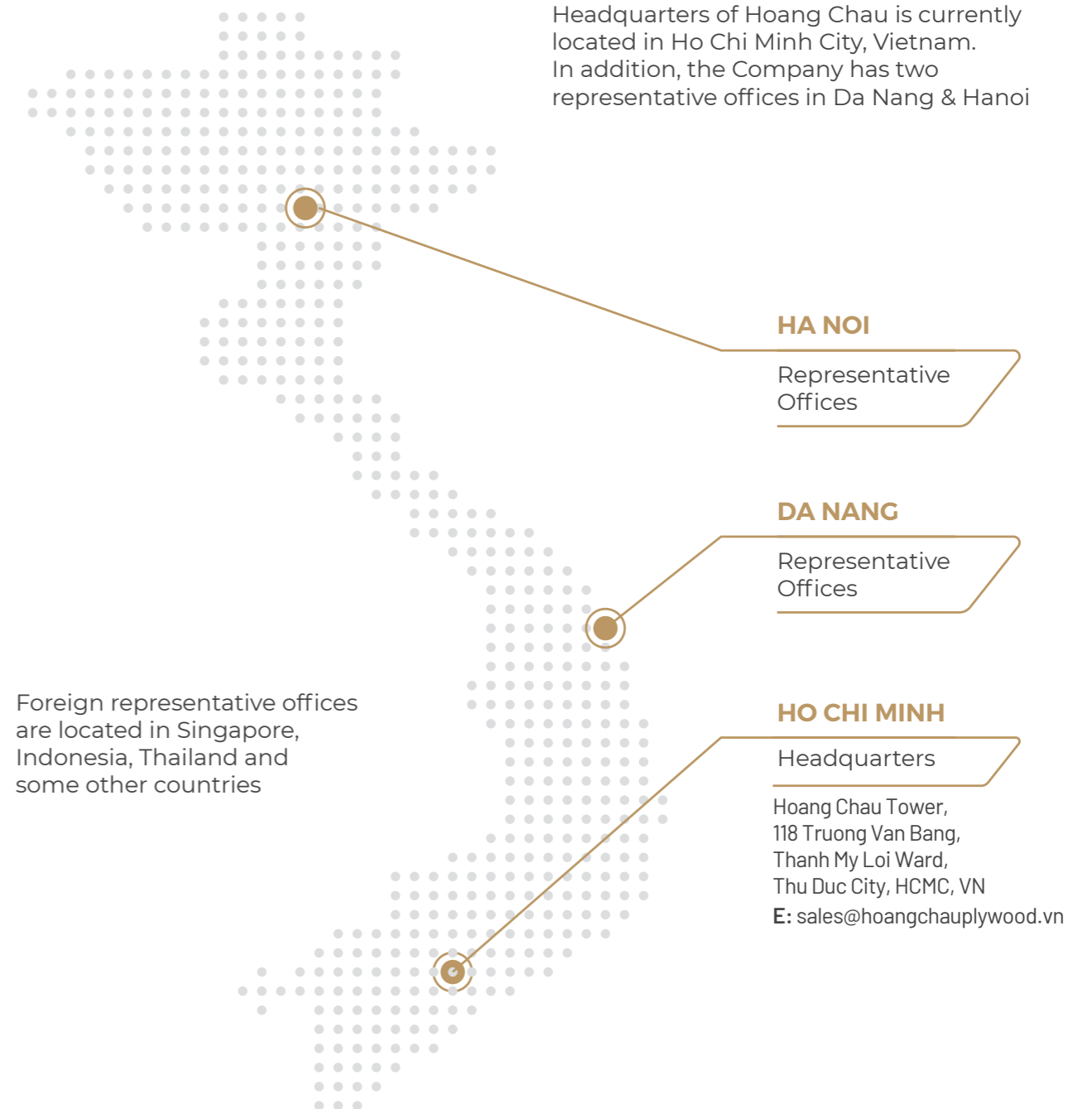
Hoang Chau factory always tightens regulations on occupational safety to ensure a safe working environment and create the best conditions for officers and employees who are directly involved in production. This is our top priority.

Hoang Chau considers environmental protection as one of the top priorities in our development strategy. At Hoang Chau, we always ensure compliance with regulations on environmental protection, management of hazardous wastes and chemicals in accordance with international regulations and do not release harmful compounds into the environment. Green factory is one of the goals that we always strive to achieve for many years.

3 CAPABILITY

Headquarter and Representative Offices

Headquarters of Hoang Chau is currently located in Ho Chi Minh City, Vietnam. In addition, the Company has two representative offices in Da Nang & Hanoi

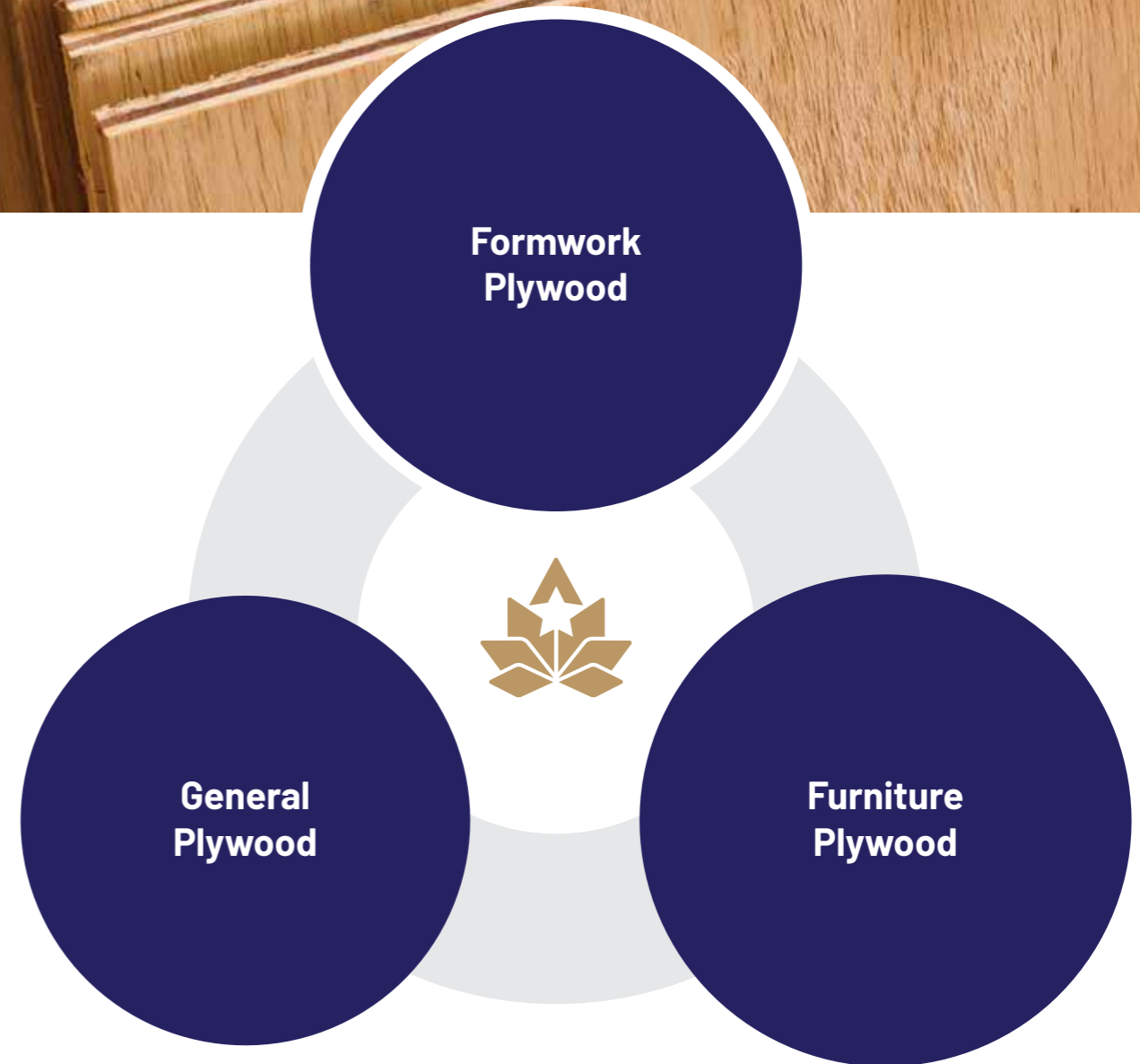


Typical Statistics

Employee	300+
Production capacity	140.000 cbm/year
Transportation truck	20+
Storage warehouses	40,000 m ²



4 PRODUCT CATEGORY



Formwork Plywood

HOANG CHAU FILM FACED PLYWOOD is used as a formwork in industrial, commercial and civil construction. Hoang Chau film face plywood has many advantaged features such as:

- ▶ Absolutely flat concrete surface, no mortar required after casting
- ▶ Light density, portable, easy for installation.
- ▶ Labor cost saving and project schedule shortening
- ▶ Waterproof
- ▶ Re-use for many times, high economic efficiency.
- ▶ High compressive strength, response calculated secure in construction.
- ▶ Easy to saw and link each other, favorable for usage
- ▶ Eco-friendly and complies with international standard- EN 13986



No	PROPERTIES	Unit	ECO form	EZ form	PRO form	Testing Method
1	Bonding & emission Bonding type Emission class Resin type		Class 2 (CBR) E2 MUF	Class 3 (WBP) E1 PF	Class 3 (WBP) E1 PF	EN6362003 EN717-21995
2	Wood source		Plantation wood (Legal source/EUTR/FSC)			
3	Outer veneer orientation		Cross band	Cross band	Long-grain	EN 3231993
4	Panel density	Kg/m ³	≥ 630			
5	Overlay material Top surface Bottom surface		PSF 130gsm PSF 130gsm			
6	Abrasive test Top surface Bottom surface	Rev	≥ 300 ≥ 300			EN 438- 22005
7	Moisture content		≤ 12%			EN 3231993
8	Size & shape tolerance Thickness Size Squareness	mm	+(0.2 + 0.03t) / -(0.4 + 0.03t) ± 1/1m of width or length ± 1/1m of length diagonal			EN 3152000
9	Min bending strength Parallel to the width of panel Parallel to the length of panel	N/mm ²	45 30	50 30	30 50	EN 3101993
10	Mean modulus of elasticity Parallel to the width of panel Parallel to the length of panel	N/mm ²	4500 3000	5000 3000	3000 5000	EN 3101993

General Plywood

HOANGCHAU GENERAL PLYWOOD

The most widely used plywood designed for an extensive variety of commercial application such as house/office structural panel, and furniture.

General Plywood can be applied with different types of color and used under extreme conditions such as those of high or low temperature, and high humidity.



FEATURES

- ▶ Fitting different kinds of overlay and coating.
- ▶ Products are of large size with high consistency, high recovery rate (>90%)
- ▶ High durability, and good water resistance

Our general plywood is available for order with custom thickness and size depending on customer's preference.



Furniture Plywood

HOANGCHAU FURNITURE PLYWOOD is a combination of general plywood with one or two additional surface layers to use as material in furniture production industry as well as decorative applications.

This is a standard Hoangchau's product, with selected raw materials and strictly controlled production process, for solid construction, uniform thickness and absolute flatness. The surface is carefully treated for good appearance, limited defects so it is suitable for polishing or stain to emphasize natural wood grain, or can be painted, paper coated, laminated, etc.



Size:	1220 x 2440 mm (+/- 2mm) (Other sizes please contact)
Thickness:	From 3mm to 45mm, common: 3.5mm, 4.6mm, 6mm, 9mm, 10mm, 11mm, 12mm, 15mm, 18mm, 20mm, 22mm, 28mm.
Thickness tolerance:	+/- 0.5 mm
Surface Veneer:	Okoume, Bintangore, EV (Recon), Poplar, Keruing (Gurjan), Pencil Cedar, v.v
Grade:	AA, AB
Core:	Acacia, Eucalyptus (plantation wood in Vietnam)
Sanding:	Sanding core and face if require
Glue:	MR, Melamine
Dispersion:	E2, E1, E0
Density:	> 600kg/CBM (can be > 700kg/CBM)
Packing specifications:	Wrapping pallets and plastics/steel straps

5 SUSTAINABILITY AND ENVIRONMENT POLICIES

Sustainability Policies

The sustainability of plywood is determined not only by how the wood is being sourced but also by the manufacturing process. The wood wastage of the plywood manufacturing process is significantly less when compared with traditional lumber practices

In Hoang Chau, we choose FSC (Forest Stewardship Council) certified plywood to guarantee ethical manufacturing and ensure that the plywood is formaldehyde-free or in the acceptable level according to international standard.

One of the many great aspects of Hoangchau plywood is that it is affordable, which not only makes it an ethical option but a budget-friendly one too.

Plywood sheets in our factory can be made from hardwoods, softwoods, bamboo, or a combination of different wood. The best practice is to choose plywood that is locally sourced from sustainably managed forests, and that is also produced locally.

We choose the FSC sourced wood and low VOC emission adhesive is better for the environment than wood sourced from non-regulated logging companies and adhesives containing formaldehyde.

ALL OUR PRODUCTS COMPLY WITH FOUR CRITERIA ACCORDING TO INTERNATIONAL STANDARD:

1

Wood sourced from FSC certified or legal manufacturers

2

Adhesives with a low VOC that do not contain formaldehyde or very low level

3

Locally sourced wood from a sustainably managed forest

4

All Hoangchau plywood is recyclable and reusable



QUALITY



COMPETITIVE
PRICE



ENVIRONMENTALLY
FRIENDLY



GREEN
STANDARD



SAFE FOR
USER'S HEALTH



PROTECTION OF
FOREST RESOURCES

6 ACTIVITIES

Social Community and Team-Building Activities

In addition to bringing high-quality products to serve global customers and creating value to contribute to the national economy, Hoang Chau pays great attention to contributing values to the development of the community through activities such as donating charity funds, helping disadvantaged people, sponsoring other community activities. We always consider creating values for both the company and the society as a parallel mission.



We always keep in mind that enterprises want to be strong and develop should have a dynamic, innovative and solid staffs who know how to bring people together so that the Company can grow more and more. Therefore, at Hoang Chau, we always focus on 3 activities:

1. Encourage understanding of general duties and thereby empathizing and sharing with colleagues in other departments
2. Build a cohesive team
3. Build corporate culture



7 PROJECTS & CLIENTS

Typical Projects and Clients



Samsora residence Riverside

Over the years, Hoang Chau's products has been accounted for high market shares and trusted by customers who are the leading general contractors for large projects across the country. Hoang Chau branded products are always the top brands trusted and chosen by Customers.

Hoang Chau has always kept in mind that our mission is to manufacture highest quality products with the most reasonable price to meet variety demands of customers with the most professional customer services.



Vinpearl resort Nha Trang



Sala complex city



Kenton complex building district 7



Topaz home 2 complex



Landmark 81 high rise building



Suoi Tien Bcons Building



Cu Chi Hospital



Children's hospital 1



Van Phong thermal power plant



Metro Station Ben Thanh



Hory factory Vietnam



An Giang traditional medicine Hospital



SMC steel factory



Song Hau 1 thermal power plant



Gia Dinh people's hospital

Construction Site



8 MESSAGE

Message from HoangChau Plywood International's Director



Hoang Chau Plywood International would like to express our sincerest thanks for the trust and companionship of all our Customers in our Film faced plywoods during the past time. We always strive to research and improve products and services with ambition to provide Customers, Partners with the highest performance and satisfaction.

Our Company is not the only supplier of plywoods, however, we are confident to be the most reputable supplier on the market today. With the motto "QUALITY IS MISSION", our Company makes efforts to develop own strategies, centering on investment in high-quality human resources, fostering and improvement of qualifications for staffs; Thanks to it, we have been creating prestige with investors, at the same time, creating a foundation for the Company's firm development in new situations. We are looking forward to constant companionship and support of our customers and partners in our film faced plywoods as in the past time.