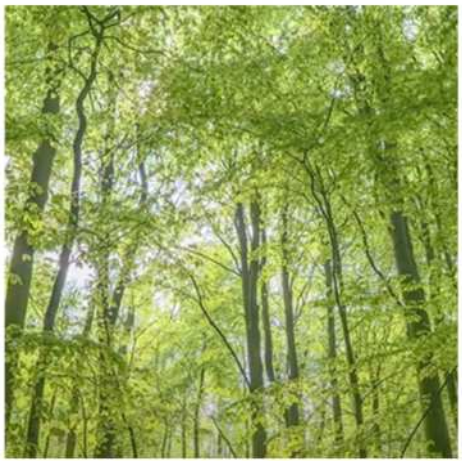



OSHIKA
Adhesives & Construction materials

# COMPANY INTRODUCTION






# Introduction

**Since founded in 1905, OSHIKA has been a pioneer in the wood bonding world, providing customers with “bonding” solutions in a variety of forms.**

With its expertise in wood adhesives and joinery, Oshika offers sustainable building material solutions for the needs of our climate-conscious world.
Our products are primarily used in the wood industry, including structural applications such as glulam and Cross Laminated Timber (CLT), as well as furniture and paper lamination.

To ensure optimal customer service worldwide, we go beyond merely selling or supplying products;
we actively collaborate with our clients throughout the manufacturing and development process. Our mission is to provide cutting-edge solutions and optimize product utilization, ensuring the highest levels of satisfaction and performance.

Every Step Leads to the Future
Thank You
120th Anniversary 1905–2025

# Our Role in the Society

**Adhesives used on wood are usually invisible to the consumer.
We have an important role to play: to support people's lives and health with our technology and performance.**

## OUR BUSINESS

With two pillars of Chemical Department and Building Materials Department, we make proposals as a specialist in wood.
We are not just a supplier, but we cooperate with our customers to deliver the best solution through this unique business style.


This business model was interviewed and introduced by Newsweek International.
The article was published in 2021 and 2023 in the magazine.
Please feel free to visit our website to access the article.
http://www.oshika.co.jp/eng/index.html


## PRODUCT LINES

| | DEERNOL | P.I.BOND | SHINKOBOND | SHIKAJIRUSHI HOTMELT | DEERMUSHYU |
|---|---|---|---|---|---|
| **Product type** | RPF | EPI / API | PVAc | Hotmelt | Formaldehyde Scavenger |
| **Components** | 2 | 2 | 1 | 1 | 1 |
| **Contains formaldehyde** | ✓ Low emission | – | - | - | - |
| **Physical state** | Base resin: Liquid<br>Hardener: Liquid or powder | Base resin: Liquid<br>Crosslinker: Liquid | Liquid | Solid | Liquid |
| **Suitability Purpose** | Construction materials,<br>Truck flooring,<br>Decking,<br>Outdoor products | Furniture assembling for interior, Flooring,<br>Gesso core,<br>Veneer lamination | Furniture assembling for interior, Paper lamination,<br>Flash panel, FJ | Veneer jointing for plywood production,<br>Furniture parts edge banding | Plywood, LVL, MDF, PB<br>Reducing Formaldehyde emission |
| **Advantages** | High durability<br>high water and heat resistance | High water resistance<br>No formaldehyde | Wide application<br>No formaldehyde | Good blocking resistance | Easy application<br>High formaldehyde reduction performance |
| **Water resistance** | ★★★★ | ★★★ | ★~★★ | ★ | – |
| **Heat resistance** | ★★★★ | ★★★ | ★~★★ | – | – |

# FLAGSHIP PRODUCTS

With our technological capabilities cultivated over 125 years, we strive to expand sales of not only high value-added products, but also products that contribute to human health and are environmentally friendly.

## ■ Emulsion Polymer Isocyanate (EPI) Adhesives

### : Versatility and Strength Combined

Our brand, P.I.BOND, is a versatile solution, ideal for a wide range of applications including the production of structural glulam, furniture parts, and finger jointing.

EPI adhesive creates a white glue line similar to PVAc adhesives and excels in areas demanding high water resistance.

Its reliability is reflected in its approximately 50% market share in Japan.

## ■ Resorcinol-Phenol-Formaldehyde (RPF) Adhesive

### : The Pinnacle of Durability

Resorcinol-Formaldehyde (RF) adhesive, also known as Resorcinol-Phenol-Formaldehyde (RPF) adhesive, is engineered for the production of load-bearing constructions that demand exceptional water, heat, and weather resistance.

Under the Japanese Agricultural Standard (JAS), it is ranked as “A” for use environment, the most severe condition.

## ■ Formaldehyde Scavenger

### : Effective Solution for Formaldehyde Emission Reduction

Our formaldehyde scavenger, DEERMUSHYU FC-7 series is designed to reduce formaldehyde emissions from wood materials by simple application.

DEERMUSHYU FC-7 series has been used and trusted for many years especially in Japan, where stringent regulations on formaldehyde emissions are in place.

It contributes to people's health by reducing airborne formaldehyde emissions.

## How we contribute to sustainability?

The effective use of forests as a resource for storing CO2 is a step toward sustainability that anyone can take.

We are actively developing and marketing better products in line with the trends of the times. Here are a few examples.

### Lignin-Phenol Adhesive

A revolutionary adhesive for plywood that makes effective use of resources.

Lignin is a byproduct of the paper manufacturing process and has been commonly used as fuel.

Its use in adhesive applications has enabled the production of sustainable adhesives.

The product is certified by the Japan Organics Recycling Association and has received the Biomass Mark.

Image: Biomass Mark from the Japan Organics Recycling Association

バイオマス
No.210072

### Eco Plywood

A sustainable plywood made of Echigo cedar for its core, which is locally procured and recommended by the Ministry of Japan.

The use of domestically grown trees keeps costs down, while the adhesive technology of OSHIKA maintains high quality.

The use of Japanese cedar also reduces weight and contributes to improved workability.

The use of small-diameter lumber from the local forest is also connected to the SDGs.


## We look to expand globally

**How we meet the demands in the diversifying world?**

In order to meet the variety demands of each market, we provide our know-how and technical/quality support to our partners in Asian countries to achieve the production of high-quality products in each country (Indonesia, Vietnam, Philippines, Malaysia, China).

**Purchase strategies**

In procurement, we actively adopt differentiated or cost-oriented products that are not discovered but can meet our quality standards, and expand the use of such products not only in Japan but also to our overseas customers.

**We look to work together with partners around the world**

In the future, we would like to work together with new partners not only in Asia but also in Europe, India, and South America to expand global sales of our unique, high quality products and find differentiated products overseas.

**Image: Business model in Asia (flow of the products to different markets through technical collaboration)**

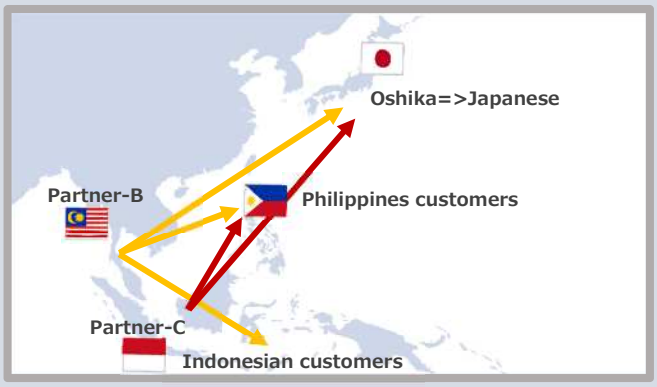
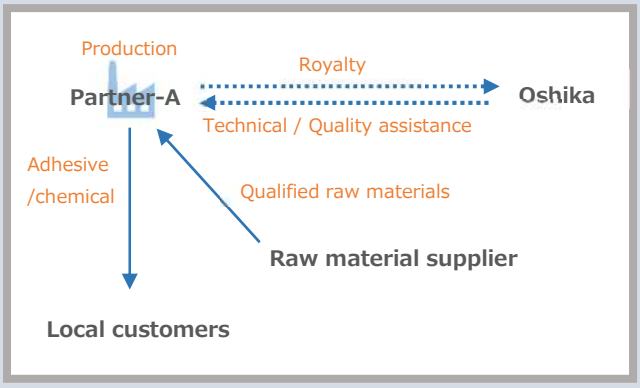



**Image: Example of Technical / Quality Collaboration**



# Certificates

### Forestry Certifications FSC®

We have implemented FSC (FSC C100317) to visibly deliver to consumers products made from well-managed forests and other low-risk forest products that provide environmental, social, and economic benefits.

### Forestry Certifications PEFC

We have implemented PEFC (certification No. SA-PEFC-COC-002605, Trademarks license No.PEFC/31-32-83) to ensure that our products are produced according to the highest environmental, social, and ethical standards

### ISO 9001:2015

We have implemented ISO 9001:2015 to meet requirements for the establishment and operation of a quality management system.

### Japan Plywood Wholesalers Association

We are certified as a legal timber supplier and comply with the Law Concerning the Promotion of the Distribution and Use of Legally Harvested Timber, Japan.

**OSHIKA is a member of**

- Japan Adhesive Industry Association (Japan, https://www.jaia.gr.jp/)
- Japan Cross Laminated Timber Association (Japan, https://clta.jp/)
- National LVL Association (Japan, http://www.lvl.ne.jp/)
- Japan Acoustic & Laminated Flooring Manufacturers Association (Japan, supporting member, https://www.jafma.gr.jp/)

# Group Companies

- OSHIKA CHEMITEC CORPORATION (Saitama, Japan)
- NIIGATA PLYWOOD SHINKO CORPORATION (Niigata, Japan)
- PT.OSHIKA INDONESIA Tangerang, Indonesia)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