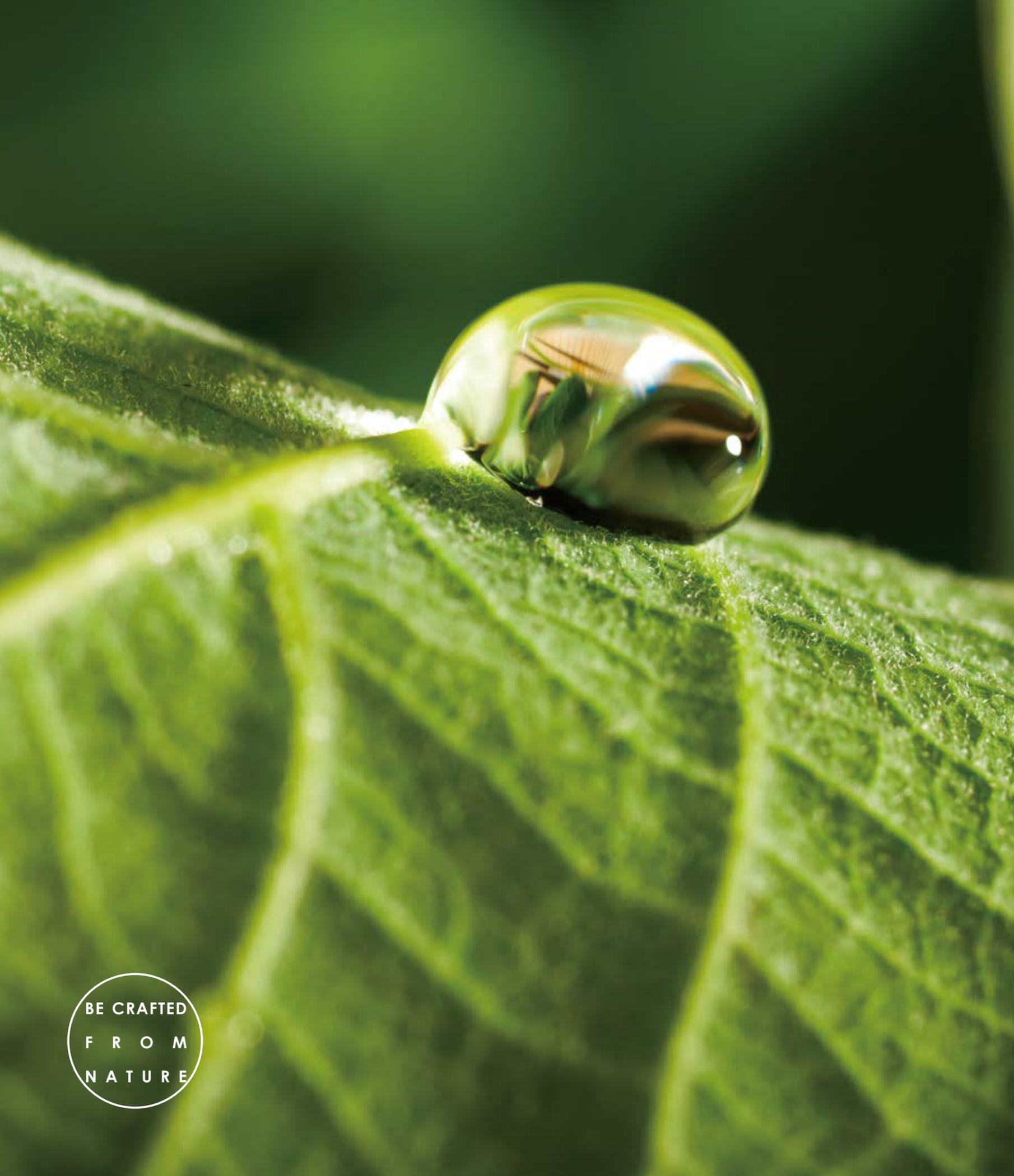


Impeccable Quality, Exquisite Taste

The Wood Wax Oil

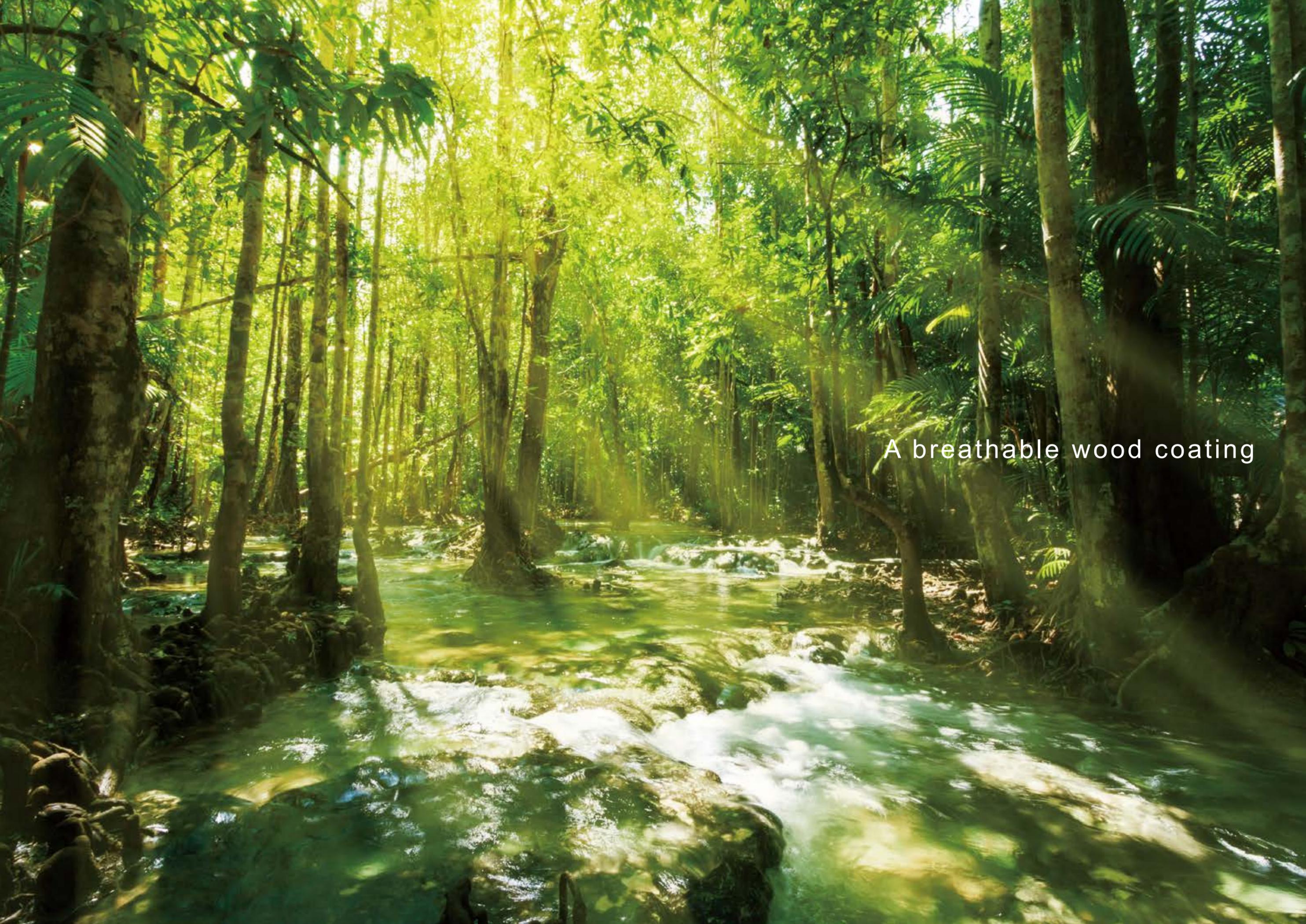
make the wood stay fresh

LOOBEN
BE CRAFTED FROM NATURE



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A breathable wood coating



The craftsman in wood coatings: LOOBEN

The life of every craftsman is dedicated to the creation of artwork that exhibits the essence and vitality of the original wood piece using skills accumulated over a lifetime.



LOOBEN comes from the name “Lu Ban,” the carpenter. Lu Ban was a renowned carpenter in the late Spring and Autumn Period and was referred to as the Chinese Master Craftsman by later generations. The name LOOBEN was picked as a tribute to this master, demonstrating our distinct qualities in long-term wood coating development, craftsmanship and professional service.

LOOBEN Following in the foot steps of a craftsman. Every can of wood wax oil is produced with a deep understanding of the characteristics and applications of various wooden materials to ensure that we achieve our goal of integrating every drop of wood oil and its counterpart wooden materials. It enables the wood wax coated on wooden materials by the hands of the craftsman to exhibit an impeccable quality, emit a natural wooden fragrance, and possess a quality of texture that can be felt by hand.

LOOBEN is the specialized brand name under DLuB, the first choice in functional coatings in Taiwan. For 25 years we have been persistent in the protection and sustainability of various wooden materials, as well as natural ingredients in the coating for the health of the human body. In 2014, we also developed the 100% natural wood wax oil that is made with natural ingredients only. Our top-quality products are made possible by our top-notch development technology, and has been well received by all.

LOOBEN Service with Taiwanese spirit . We also place emphasis on the spirit of local Taiwanese hospitality. We are dedicated to solving your troubles efficiently. Whether you are an architect, designer, carpenter, or doing DIY, as long as you want your wooden furniture, floor, or construction materials to be enduring in quality while having a safe and natural wooden fragrance. LOOBEN's customized service and quality is your first choice in wood coatings.



LOOBEN: Exquisite taste

LOOBEN natural wood wax products permeate deep into the wood without cracks or bumps, and are drastically different from traditional thick paints. While providing water-repellent, dirt-resistant, wear-resistant, and color-enriching capabilities, wood wax oil does not affect the natural texture of the wood. It does not require mixing, and is easy to use. It is the best choice for use on surface of wooden products, furniture, decorations, and DIY work.

**Environment
Nature
Safety**

Water-repellent

Moisture-repellent

Dirt-resistant

Eco-friendly



Features of Impeccable Quality and Exquisite Taste



We are certified by ISO9001, 14001, OHSAS18001

- ✓ Comprised of natural ingredients. Certified by SGS to be free of formaldehyde, toluene, the 8 Soluble Heavy Metals, organic compounds, and 155 Substances of Very High Concern (SVHC) screening. SVHC candidate list based on the publication by European Chemicals Agency (ECHA) on 2014 June 16, regarding Regulation (EC) No 1907/2006 concerning the REACH.
- ✓ Able to naturally emphasize the natural wood textures with high contrast, provide a smooth tactile sensation, exhibiting a quality that is warm and soothing.
- ✓ The coating does not form a film, is breathable and does not obstruct air to permeate into the wood.
- ✓ The oil permeates into the wood, enabling self-protection from the inside out, making the wood water- and dirt-resistant with impeccable and enduring quality.
- ✓ The wax can integrate with wood fibers, improving the surface hardness of the wood, achieving scratch and spill resistant capabilities.
- ✓ Easy to apply and a little goes a long way.



The perfect union of oil and wax

LOOBEN stringently selects natural vegetable oil and fauna/flora wax as the source of the wood wax formula.

Currently, the primary composition of the natural coating includes: flaxseed oil, castor oil, sunflower oil, beeswax, candelilla wax, carnauba wax, castor wax. The Pure and Natural series even adopts 100% natural ingredients for its natural solvent-free wax oil. Other than simply protecting your wooden furniture or building materials, it also provides a moisturizing effect.

Ingredients



Flaxseed oil



Castor oil



Sunflower seed oil



Beeswax



Candelilla Wax



Carnauba wax



Castor wax

Features and Applications

Raw flaxseed oil is hard to dry, and must undergo polymerization (high-temperature) before using as a coating. It hydrates and protects the wood. Flaxseeds are abundant in Omega-3 unsaturated fatty acids, one of the most important substances in the human body, as well as a required substance in the operations of cell membranes. Humans have been eating flaxseeds for well over 2,000 years by squeezing them into flaxseed oil, mixing with cold dishes, adding them into rice, and grinding them into powder to add into bread, buns, or cookies. Regular intake of flaxseeds can prevent cardiovascular diseases, reduce inflammations, improve menopausal symptoms, relieve muscle aches...etc.

Applications: The flaxseed oil in wood wax oil can permeate into the wooden materials to improve wood-protection, and allow the wood wax oil to operate with ease.

At room temperature, castor oil is colorless or light yellow in color. It is close to transparent, emits either no smell or a soft scent. It has a mild taste, and is thick to the touch. In the food industry, food-grade castor oil is used for food additives, flavorings, making candies, and product packagings.

Applications: The castor oil in wood wax oil has heat-resistant and moisturizing qualities. Its viscosity is higher than regular oils, and is a natural plasticizer due to its sturdiness.

The fruit of sunflowers; a common food product. Sunflower seed oil has good moisturizing qualities and contains a wealth of Vitamin E. It is a natural antioxidant that prevents skin aging and oil from spoiling. It is also easy to be absorbed by the skin, which is why it is commonly used in a variety of cosmetics and skincare products, such as soaps or lotions.

Applications: The sunflower seed oil in wood wax oil has hydrating functions for wooden materials.

Worker bees have four pairs of wax glands, located between section 4 to 7 in the abdominal area. Beeswax is the secretions from the wax glands. The responsibilities of a young worker bee is to care for the larvae. After the work of caring for the larvae is done, young worker bees would leave the hive and take a short range flight. Beeswax begins to secrete from the wax glands ten days after. A worker bee must consume 8 times more honey to produce a set of beeswax. Beeswax is usually used in cosmetics, care products, or common candles, food additives, hair wax, and shoe polishes.

Applications: Beeswax can emphasize the texture of the wood, improve spill-resistance, and able to give the surface of the wood a smooth and comfortable tactile sensation.

Candelilla wax is extracted from candelilla trees in northern Mexico, California, and southern Texas. It is a soft yellow translucent, or opaque, solid. Refined candelilla wax has a sheen and fragrance, which is commonly used in lip balms and lipsticks. (In accordance with the Washington Convention, candelilla trees are crops with a ten-year harvest cycle. One must be planted if one is harvested.)

Applications: Candelilla wax in wood wax oil can improve the natural shine on the wood, improve spill-resistance and viscosity, making the wooden surface smooth to the touch.

Carnauba wax is also called Brazilian wax, extracted from Brazilian palm leaves with hot water. Carnauba wax is a brittle soft green or soft yellow solid. The main composition of carnauba wax is $CH_3(CH_2)_{26}COO(CH_2)_{30}CH_3$, insoluble in water, but soluble in diethyl ether, hot ethanol, and turpentine. Its main purpose is to replace beeswax in the use of shoe polishes, candles, leather coatings, furniture polishes, and electrical insulation oils.

Applications: Carnaba wax can strengthen wood surface hardness, and provides scratch-resistance and wear-resistance qualities.

Commonly used in lip balms and skincare products.

Applications: Improves viscosity and lubrication.

In order to reduce or extend the drying time and dilute the coating, some LOOBEN products adopted the "Thinner" which is similar to Vaseline in nature, recognized internationally as being a safe diluent.



Series Name	Model, Product Name			
Pure Natural	PN100	Natural Wax Oil	PN110	Natural Beeswax Oil
Quality Enhance	WO310	Hard Oil (Semi-gloss)	WO320	Worktop (Matt)
	WO362	Wood Wax Oil - Varied Colors	WO364	Wood Wax oil (Sprayable)
Harden Floor Finish	FO210	Floor Wood Oil (Semi-gloss)	FO220	Floor Wood Oil (Matt)
Weatherability Long-Lasting	WP910-	Weather Protection Oil (Matt) - Varied Colors	WP920	Garden Wood Oil (Matt)
	WP920-	Garden Color Protection Oil - Varied Colors		
Maintenance & Cleaning	MC510	Natural Beeswax	MC526	Liquid Wax Cleaner
	MC530	Antique Furniture Wax	MC540	Thinner

Series Product | Pure Natural



100% Natural Wood Wax Oil
 Made with natural ingredients without any solvent additives; contains no petrochemical substances. Does not release any VOCs after applying. It is a pure and safe wood-activated full strength natural cream.

Safe to for use in children toys. No harmful effects on the human body and the environment

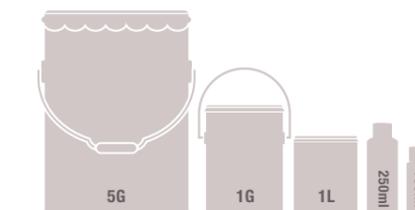


Wood-activated full strength natural cream

- ✓ Natural ingredients, no diluent additives. The fatty substances in the natural cream are able to permeate into the wood, providing direct protection against cracking.
- ✓ Enhance natural wood textures, form protective layers, and provide smoother tactile sensation, improving natural wood quality while retaining breathability.

Pure Nature

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Model	Product Name
PN100	Natural Wax Oil
PN110	Natural Beeswax Oil



Feel a caressing warmth with this coating

Indoor wood wax oil is suitable for wooden furniture, art crafts, and decorations. Preserving the natural feeling while improving a sense of quality. Spill-resistant and dirt-resistant capabilities allow you to be care-free of damaging or staining the wood.

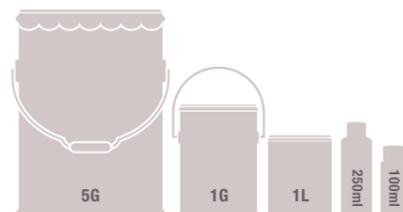
**Indoor wooden crafts
Protective measures for wooden furniture and wood veneer panels**



- ✓ Choose between a variety of colors
- ✓ Enhances natural wooden textures, forms protective layers.
- ✓ Gives a smooth tactile sensation after wiping, adds a silky shine, improves furniture quality, as well as providing breathability, water-resistant, and dirt-resistant qualities.

Quality Enhance

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Model	Product Name
WO310	Hard Oil (Semi-gloss)
WO320	Worktop (Matt)
WO362	Wood Wax Oil (Matt)
WO362-	Wood Wax Oil - Varied Colors (72 colors)
WO364	Wood Wax Oil (Sprayable)



The floor is the children's playground

Wooden environments provide a sense of warm, comfort, and coziness. Every kind of wood has its own character.

Pines floors are calming; walnuts are classy; white oaks are casual; teaks are graced with oriental elegance. The selective wooden floors only require natural wood oil. LOOBEN floor wood oil sticks to the original, exhibits nature, and is different from the high film thickness of traditional coatings, enabling real contact of the burden-free wooden floor with your feet.

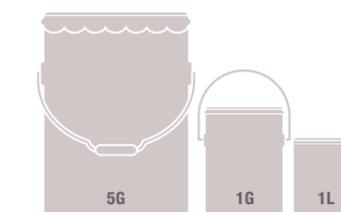
**Indoor wooden floor
Protective measures for wooden floors**



- ✓ Retains the original breathability of the wood. Suitable for indoor wooden floors prone to wear-damages.
- ✓ Easy maintenance. Partial restorations without the need of a full renovation.
- ✓ Enhances natural wooden textures, forms protective layers, adds a silky shine, provides breathability, spill-resistant, dirt-resistant qualities.

Harden Floor Finish

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Model	Product Name
FO210	Floor Wood Oil (Semi-gloss)
FO220	Floor Wood Oil (Matt)



In the future, mottle will not be in the wood dictionary

Outdoor lodges, wooden structures, fences, and balconies demands exceptional weather-resistant protections. Different from traditional paints, our Durable & Long-Lasting series are permeating and breathable wood wax oils able to integrate with the wood, achieving thorough natural breathability. Inorganic mineral pigments can improve resistance against sunlight and rain corrosions; they are your best choice.

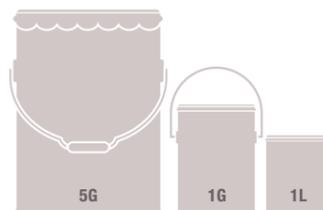
The protective measures for outdoor soft wood, hard wooden crafts, wooden landscapes, wooden floors, wooden planks, and wooden architectures.



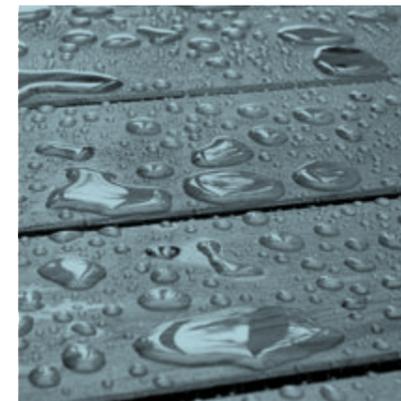
- ✓ Wood protective oil for lasting UV-protection, high-permeability, and outdoor use.
- ✓ Using natural vegetable oil as the base, deeply permeating into the wood, closely fitting to the surface of the wood, and retaining its breathability.
- ✓ Enhancing natural wooden textures, forming protective layers, achieving moistureproof, rain-proof, dirt-resistant capabilities.

**Weatherability
Long-Lasting**

BE CRAFTED FROM NATURE



Model	Product Name
WP910-	Weather Protection Oil (Matt) - Varied Colors (10 colors)
WP920	Garden Wood Oil (Matt)
WP920-	Garden Color Protection Oil - Varied Colors (72 colors)



Keeps your wooden furniture in best conditions easily

Maintenance and cleaning in everyday life can be easy. Different from conventional cleaners that may damage the wood or coating, LOOBEN's maintenance and cleaning wax is a thin-type protective wax that has a cleaning efficacy while would not cause any damages. They are a specialized eco-friendly solute to adjust the operating time of wood wax oil or for cleaning tools. These are products that can be used in conjunction with wood wax oil or adjusting physical properties.

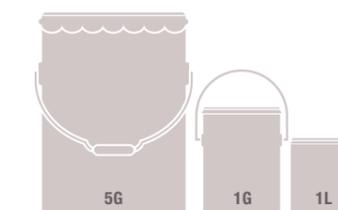
Wooden crafts

Protective measures for wooden furniture and wood veneer panels

- ✓ Enhances natural wooden textures, forms protective layers.
- ✓ Silky sheen on the surface, improving the sense of quality
- ✓ Achieving breathability, spill-resistant, and dirt-resistant capabilities.

**Maintenance
& Cleaning**

BE CRAFTED FROM NATURE



Model	Product Name
MC510	Natural Beeswax
MC526	Liquid Wax Cleaner
MC530	Antique Furniture Wax
MC540	Thinner

Easy-Coating Instructions



Indoor instructions

1. Please evenly stir the coating before use.
2. After coarse-sanding with appropriate sandpapers, the wooden surface should be smoothly sanded with #280-#320 fine sandpapers.
3. Remove wood chips, dust, and dirt on the surface.
4. Apply the wood wax oil evenly on the object, and wait for 5 - 10 minutes (note.) before removing the excess oil with cotton.
5. After it is dried (next day recommended), use #400 - #600 sandpaper or above to remove wood fibers.
6. Cleanse the dust, particles, and sawdust from the surface of the wood, then apply the second layer of wood wax oil.
7. Apply the wood wax oil evenly on the object, and wait for 5 - 10 minutes (note) before finishing up by removing the excess oil with cotton.
8. Adjust the number of coating layers in accordance to demand; repeat steps 5, 6, and 7.
9. Can be used without diluting. If needed, 10% MC540 Thinner can be added to adjust the viscosity and drying speed.
10. If the coating intervals required to be longer, or the surface area of the object is larger, wiping performance maybe reduced. MC540 Thinner is recommended to be added to improve wiping performance and increase drying time.
11. For harder wooden materials, apply a layer of WO310 hard wood oil before Wo362 for better effectiveness. Note: The waiting time is dependent on the type of wood, environment, humidity. Please conduct a testing procedure in advance.

Outdoor instructions

1. Please evenly stir the coating before use.
2. After coarse-sanding with appropriate sandpapers, the wooden surface should be smoothly sanded with #180-#240 fine sandpapers.
3. Remove wood chips, dust, and dirt on the surface.
4. Apply the climate protective oil evenly on the surface of the object (step 1).
5. After it is dried (we recommend drying overnight), cleanse the dust, particles, and sawdust from the surface of the wood, then apply the second layer of climate protective oil.
6. Finish up by applying the climate protective oil evenly on the surface of the object.

New wood: for wood used in outdoor environments and a good absorption strength, please repeat the procedure twice.
Maintenance: do the procedures once after cleansing surface dust and stains.

Reference value for wood wax oil coating area

- 16.5-21.5m²per coating / kg (depending on the wood or the habits of the operator)

Caution

- This product is not recommended to be applied on old coatings of a non-wood wax oil system. Please completely remove the old coating in advance. If the old coating is of the wood wax oil system, then completely or partial restoration and maintenance can be conducted.
- Do not place cotton cloths stained with wood wax oil and sawdust under high-temperature due to the residual drying oil. Please dispose of the cloth after it has been soaked with water.

Cleaning tools

- MC540 Thinner can be used to clean the cleaning tools or stained areas.

For wood was oil coating safety precautions, please refer to the LOOBEN technical manual or official website.

Palettes

Color-printing technology cannot truly duplicate exact colors and shines; different wood exhibits a variation in colors.

Translucent

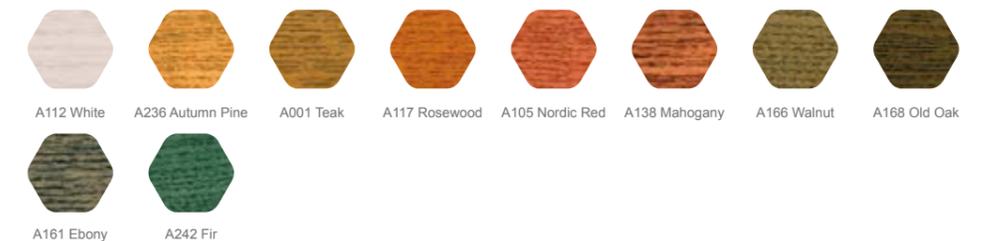


Solid Colors

Note: Solid color model numbers equal to Pantone.
 Ex. WG5=Warm Gray 5
 BK5=Black 5
 CG5= Cool Gray 5



Climate Protective Oil



We shall do our best to ensure the validity of the product descriptions and colors as presented in the catalogue. However, we apologize for any discrepancies that may arise.

www.looben.com.tw



Sales and Services: LOOBEN Co., Ltd.
Manufacturer: Yan Chang Trading Co., Ltd.

T: +886-4-25156080

F: +886-4-25266846

A: No.420, Dongyang Rd., Fengyuan Dist., Taichung City 420,
Taiwan (R.O.C.)


德寶塗料DLuB
www.dlub.com.tw

