BIOHOUSE®
Since 2005

BIOHOUSE® *Natural Oil Finish*

+Indoor +Outdoor +Maintenance +Industrial

BIOHOUSE, the Way of Nature

We commit ourselves to the research, production and promotion of oil finish, a kind of wood finish based on vegetable oils and natural resins.
It is long history that mankind has been using vegetable oils or natural resins to protect and beautify wood for thousands of years. Tung oil, for example, was used for preservation of wood structure in ancient China. Chinese lacquer, collected from sumac (lacquer tree), was used for top grade furniture and household utensils. Linseed oil has been widely used since Renaissance for art painting and varnishing furniture.
Conventional paints are based on non-degradable synthetic resins, which derive from petroleum, a kind of non-renewable resources. Many of them contain harmful substances and cause negative effects on health and environment.
Oil finish is not only safety and environment-friendly, but also better in protecting and beautifying wood. In contrast to conventional paints, which form plastic-like and unbreathable coating film above wood, oil finish penetrates into wood and forms a water-repellent breathable protective layer within wood pores without forming film. Wood thus treated looks natural and warm. Wood grain is still touchable

based on natural vegetable oil and wax

Touch the Nature

Certificates

FDA 21cfr175.300
FDA Food Contact Safety

EN71 Part 3
EU Safety for Children's Toy

EN12720
Resistance to Cold Liquids

EN12721
Resistance to Wet Heat

GB18581
Limit of Harmful Substances

CEN/TS 15676
Slip Resistance Test

EN13501-1
Fire Classification Test

Tested by:

SGS eurofins

CMA CNAS

Contents

Interior

Hard Wax Oil

5300 satin / 5301 matt

Size:
0.16L I 0.75L
2.50L I 10.0L

Color: Clear
Coverage:20–30m²/L(1 coat)
Touch Dry: approx.3 hours
Re–coat:approx.8 hours

- Suitable for interior solid wood, veneer, cork and all wood based substrates
- Especially suitable for flooring. Excellent in wear and dirty resistance.
- Can be tinted

To fully protect and beautify wood, while at the same time keep the natural features and real touch of wood to the greatest extent, Biohouse has developed Hard Wax Oil which meet both requirements.

Tips: The following Colors are the results of Hard Wax Oil tinted with Tinting Colors on oak. Please find more colors on page 14–15.

5300–806 white


5300–519 grey


5300–522 cherry


5300–528 mahogany


5300–533 birch


5300–551 Oak

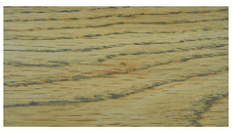

5300–553 walnut


5300–558 oak antique


5300–590 Ebony


5300–610 pine

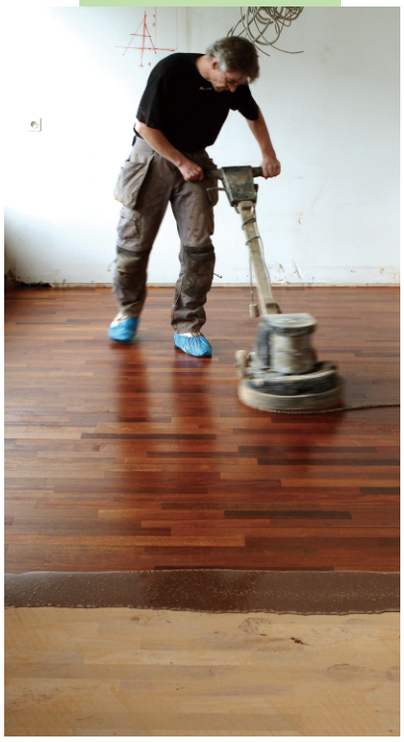

5300–616 bangkirai


5300–642 fir green


5300–662 teak


5300–686 rosewood


5300–912 mud

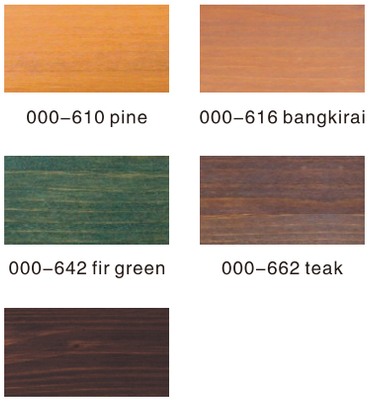


Clear Oil
000 satin

Size:
0.75L | 2.50L
10.0L

Color: Clear
Coverage:20–30m²/L (1 coat/interior)
6–7 m²/L (2 coats/exterior)
Touch Dry: approx.8 hours
Re–coat:approx.24 hours

- Suitable for both interior and exterior wood.
- Can be tinted
- Must be tinted for exterior use to provide good weather resistance.

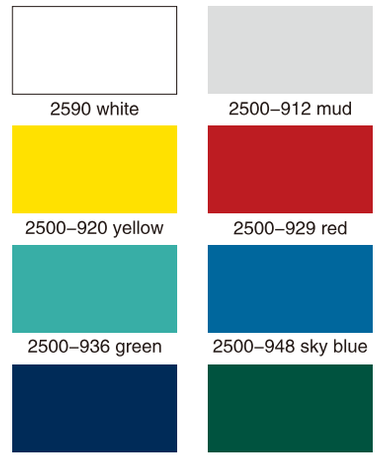


Opaque Oil
2590 white / 2500 Tinting Base

Size:
0.75L | 2.50L
10.0L

Color: 2590 white; 2500 tinting base
Coverage:10m²/L (2 coats by brush)
Touch Dry: approx.5 hours
Re–coat:approx.24 hours

- Suitable for both interior and exterior wood.
- 2500 should be tinted to achieve opaque effect, 2590 is ready for use.
- Excellent weather resistance and anit–yellowing.



Tips: the above colors are achieved by brush with 2 coats.
Semi–transparent colors can also be achieved by brush only 1 coat or by cloth.

Exterior

UV–resistant Clear Oil

8300 matt

Size:
0.75L | 2.50L
10.0L

Color: Clear
Coverage:6–8 m^2/L (2 coats)
Touch Dry: approx.6 hours
Re–coat:approx.24 hours

- Suitable for exterior solid wood.
- Contains UV absorber to prolong weathering.
- Can be tinted with Biohouse Tinting Color to achieve better weather resistance.
- Prevent wood from mold and fungi.

Wood has been widely used outdoors for building houses and landscape constructions since ancient times.
To protect and decorate wood durably under natural environment, Biohouse provides oil finishes for exterior including UV–resistant Clear Oil, Clear Oil, Decking Oil, Opaque Oil and tinting systems.

Decking Oil

003 satin

Size:
2.50L | 10.0L

Color: Clear
Coverage:6–7 m^2/L (2 coats)
Touch Dry: approx.5 hours
Re–coat:approx.24 hours

- Suitable for exterior solid wood.
- Especially suitable for decking.
- Can be tinted with Biohouse Tinting Color to achieve better weather resistance.
- Can be used as topcoat on outdoor stains

Tinting System

Tinting Color
BP–5xx/6xx/8xx/9xx

Size:
0.16L | 0.64L
10.0L

- 11 basic colors and 20 pre–mixed colors
- For solvent based products only.
- Recommended to use colorless oil on top of the tinted oil.
- Excellent weather resistance.

Wood Dye
BD–5xx

Size:
1.00L

- Available in red and yellow only
- For solvent based products only.
- Must use colorless oil on top of the tinted oil.

Tinting Color–Aqua
WB–2xx/3xx

Size:
1.00L

- 7 basic colors and 12 pre–mixed colors.
- For water based products only.
- Excellent weather resistance.

BP–801 english red

BP–802 persian red

BP–803 yellow

BP–804 blue

BP–805 black

BP–806 white

BP–810 bright red

BP–811 bright yellow

Pre–treatment for Industry

Active Stain
BA–7xx

Size:
5.00L

Color: 10 colors
Coverage:25–40m²/L

› For tannin rich species such as oak.
› Must be treated with oils or lacquers on top of it.


BA-711 grey


BA-716 ash


BA-718 warm grey


BA-720 fumed


BA-725 reclamation


BA-728 salvage


BA-731 ageing


BA-742 Bronze


BA-752 dark grey

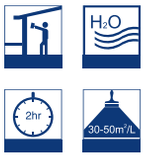

BA-764 oak antique

Invisible Oil Primer
9650

Size:
5.00L I 20.0L

Color: clear
Coverage:30–50m²/L
Touch Dry: approx.2 hours

› For keeping the original wood color.
› Must be treated with oils or lacquers on top of it.



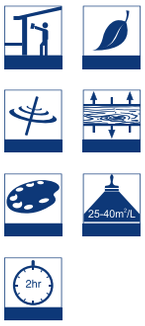
Oil Tinting Base

9000

Size:
10.0L

Color: Clear
Coverage:25–40m²/L (1 coat)
Touch Dry: approx.2 hours

› Used as tinting base for very deep colors; large proportion (e.g.>30%)of tinting color addition is allowed.
› Sprayable without dilution



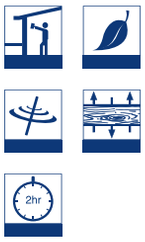
White Paste for Pore

8660

Size:
10.0L

Color: white
Touch Dry: approx.2 hours

› For staining heavily brushed oak, achieving antique effect.
› Easy application by wiping on



Industrial

Industrial Hard Wax Oil

9310 Glossy / 9300 Satin / 9301 Matt

Size:
2.50L I 10.0L

Color: Clear
Coverage:20–30m²/L (1coat)
Touch Dry: approx.3 hours
Re–coat: approx.6 hours

- Suitable for large production on coating lines.
- Especially suitable for floorings and table tops
- Can be applied with roller coater,brush or cloth.
- Can be tinted

Natural Oil

9440 Satin / 9441 Matt

Size:
10.0L

Color: Clear
Coverage:20–30m²/L(1coat)
Touch Dry: approx.3 hours
Re–coat: approx.6 hours

- Suitable for large production on coating lines.
- Not darken wood after treatment.
- Excellent in anti–yellowing.
- Can be applied with roller coater,brush or cloth.

Natural Oil White

9446 Satin

Size:
10.0L

Color: white transparent
Coverage:20–30m²/L(1 coat)
Touch Dry: approx.3 hours
Re–coat: approx.6 hours

- Excellent in anti–yellowing.
- Can be mixed with Tinting Color 806(white) or Natural Oil to achieve different white depth.
- Can be applied with roller coater,brush or cloth.

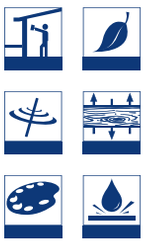
Biohouse industrial products are specially formulated for industrial application. They are suitable for big production because of fast drying, high coverage and versatileapplication methods, such as roller coating, brushing or dipping. Biohouse industrial range includes Industrial Hard Wax Oil, Natural oil, UV oil, LED oil, Invisible Oil and Active Stain.

UV Oil
9531 Matt

Size:
10.0kg

Color: Clear
Coverage:20–30g/m^2(2 coats)

- UV–curing oil that keep the natural look of natural oil treated wood
- Designed for UV coating lines and enable extremely high productivity.
- 0% VOC
- Good transparency



LED Oil
9551 Matt

Size:
10.0kg

Color: Clear
Coverage:20–30g/m^2 (2 coats)

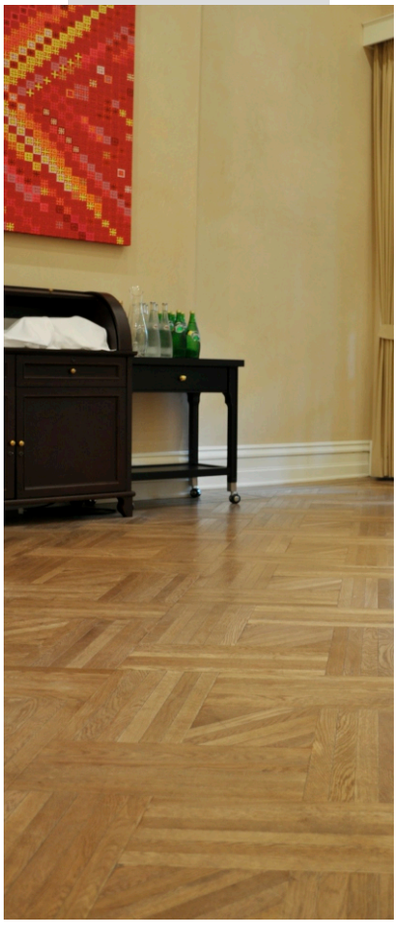
- Cures with UV–LED which has advantage of much lower energy consumption and no ozone emission compared with mercury UV curing.
- Designed for UV coating lines and enable extremely high productivity.
- 0% VOC

Invisible Oil
9600 Satin / 9601 Matt

Size:
5.00L I 20.0L

Color: Clear
Coverage:30–40m^2/L (1 coat)
Touch Dry: approx.1 hours
Re–coat: approx.6 hours

- Water based oil
- For light color wood (oak,ash,pine.etc.) to maintain the original wood color after treatment.
- Can be mixed with Tinting Color Aqua
- Can be applied with brush, roller or spray gun



Maintenance

Maintenance Oil
411 Satin

Size:
1.00L

Color: Clear
Coverage:50–80m²/L (1coat)
Touch Dry: approx.6 hours
Walk on: approx.24 hours

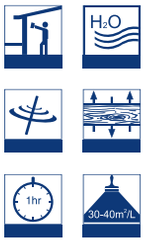
› For occasional maintenance for oiled floor
› Especially suitable for applicaiton with buffers

Oil Care
418 Satin

Size:
1.00L

Color: Clear
Coverage:30–40m²/L(1coat)
Touch Dry: approx.1 hours
Walk on: approx.24hours

› Water based
› For occasional maintenance for oiled floor
› Simple application both manually and by machine
› Fast drying



Natural Soap
420

Size:
1.00L

Touch Dry: approx.3 hours

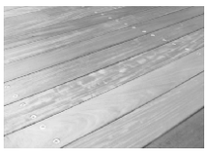
› Water based soap concentrate
› For regular cleaning and maintenance of oiled floor.
› Can also be used as intensive cleaning.

Wood Reviver
407

Size:
5.00L

Coverage:5–20m²/L

› Restore ageing and greying wood
› Must be applied oils after treatment



Before

After

Accessories

SuperClean Thinner
100

Size:
1.00L | 10.0L

- For diluting solvent based oils or cleaning tools.
- Benzene free,and almost odorless

Hardener
200

Size:
1.00L | 10.0L

- As hardener of 2K oils
- Can also be used together with solvent based oils.
- Solvent free

Brush
473 / 475 / 477

Size:
Pcs

- High quality nylon brush designed for oil application
- Ensure even and very thin layer of oil applied

Cloth
463

Size:
Pcs

- Cotton cloth for applying oil.
- Can be used to remove excessive oil after application by brush, roller or buffer.

Polishing Pad
458 / 458–100

Size:
Pcs

- Metal wool for polishing between two coats.

Colors

Tinting Color	Transparent	Semi–Opaque	Opaque
519 grey	000.0519.5301	000.2519.0000	000.2519.2519
522 cherry	000.0522.5301	000.2522.0000	000.2522.2522
528 mahogany	000.0528.5301	000.2528.0000	000.2528.2528
533 birch	000.0533.5301	000.2533.0000	000.2533.2533
551 oak	000.0551.5301	000.2551.0000	000.2551.2551
553 walnut	000.0553.5301	000.2553.0000	000.2553.2553
558 oak antique	000.0558.5301	000.2558.0000	000.2558.2558
590 ebony	000.0590.5301	000.2590.0000	000.2590.2590
610 pine	000.0610.5301	000.2610.0000	000.2610.2610
616 bangkiral	000.0616.5301	000.2616.0000	000.2616.2616
642 fir green	000.0642.5301	000.2642.0000	000.2642.2624
662 teak	000.0662.5301	000.2662.0000	000.2662.2662

Description:

- Transparent is the result of one coat of oil (e. g. Hard Wax Oil) tinted with Tinting Color by wiping on oak
- Semi-Opaque is the result of one coat of Opaque Oil 2500 tinted with 10% Tinting Color by brush on oak
- Opaque is the result of two coats of Opaque Oil 2500 tinted with 10% Tinting Color by brush on oak
- The following colors are the results on oak and only shown for guidance. Different wood species, application method and sanding will have effects on the final results.

Colors

Tinting Color	Transparent	Semi–Opaque	Opaque
686 rosewood	000.0686.5301	000.2686.0000	000.2686.2686
801 english red	000.0801.5301	000.2801.0000	000.2801.2801
802 persian red	000.0802.5301	000.2802.0000	000.2802.2802
805 black	000.0805.5301	000.2805.0000	000.2805.2805
806 white	000.0806.5301	000.2806.0000	000.2806.2806
912 mud	000.0912.5301	000.2912.0000	000.2912.2912
920 yellow		000.2920.0000	000.2920.2920
929 red		000.2929.0000	000.2929.2929
936 green		000.2936.0000	000.2936.2936
948 sky blue		000.2948.0000	000.2948.2948
952 marine blue		000.2952.0000	000.2952.2952
980 dark green		000.2980.0000	000.2980.2980

Catalogue 2020

Touch the Nature

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