



**NIPPON  
PAINT**

COMPLETE  
**WOOD**  
PROTECTION

- Timberlac
- TimberCoat
- SolarShield
- WoodGuard
- Aqua WoodGuard



# INTERIOR WOOD VARNISH

# Timberlac

Enhance natural wood grain



- Exceptional durability
- Excellent flow and levelling for a smooth finish
- Resists fungus growth
- Excellent adhesion
- Available in gloss finish



Clear

NTG 01



Mahogany

NTG 03



Golden Pine

NTG 04



Rosewood

NTG 05



Walnut

NTG 06



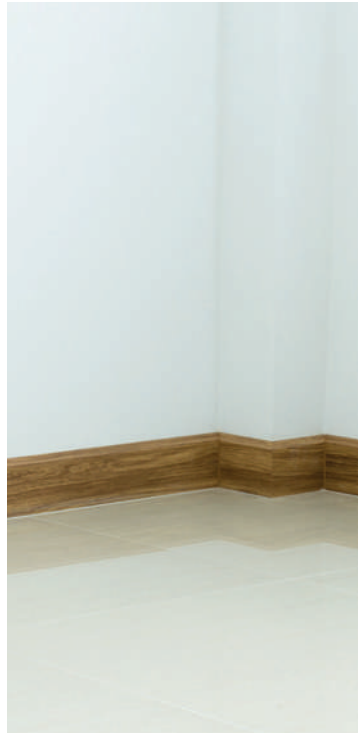
Black

NTG 07





Nippon Paint Timberlac is an interior decorative wood varnish which enhances the natural grain of wood for new and old wooden furniture and door surfaces.

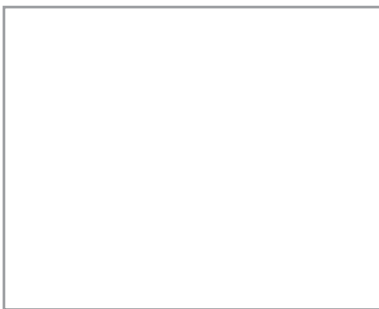


# EXTERIOR WOOD VARNISH SolarShield

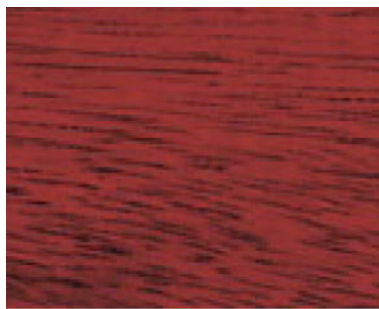
Protects wood against sun and rain



- Exceptional weatherability
- Excellent water repellency
- Resists mould growth
- Enhances natural wood grain
- Available in gloss finish

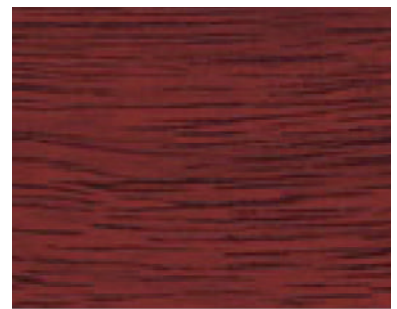


Clear



Honeypine

SLS 01



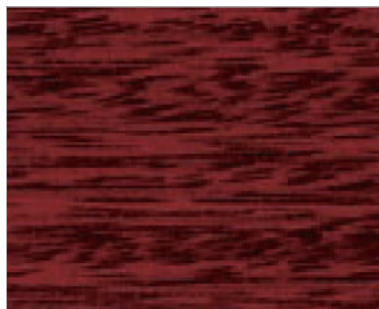
Mahogany

SLS 02



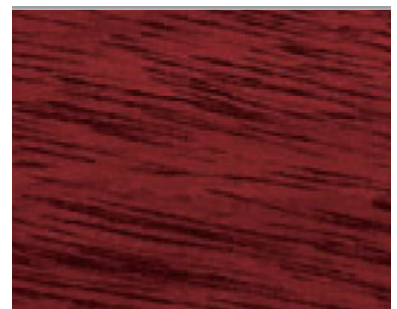
Rosewood

SLS 03



Antique Red

SLS 04



Walnut

SLS 05



Ebony

SLS 06





Suitable  
for **Exterior  
Wood**

Nippon Paint SolarShield is a premium quality solvent-based transparent wood finish specially formulated to provide long-lasting protection for wood surfaces.



# EXTERIOR WOOD VARNISH

# WoodGuard

## DECK



Enhance ultraviolet protection while retaining the natural grains of wood

- Excellent UV and weather resistance
- Excellent water repellency
- Excellent dirt resistance
- Flexible finish
- Desirable scratch hardness
- Excellent flow and levelling
- Good resistance to fungus and mould
- Easy to apply
- Available in gloss finish



Natural

WG 101



Honey Pine

WG 102



Red Maple

WG 103



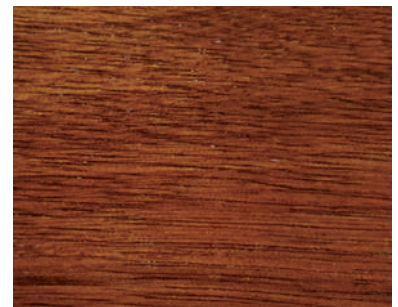
Arcacia

WG 104



Sweet Cherry

WG 105



Golden Juniper

WG 106



Toasted Almond

WG 107



Sycamore Cone

WG 108



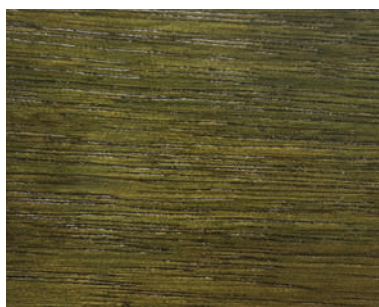
Aged Oak

WG 109



Olive Bay

WG 110



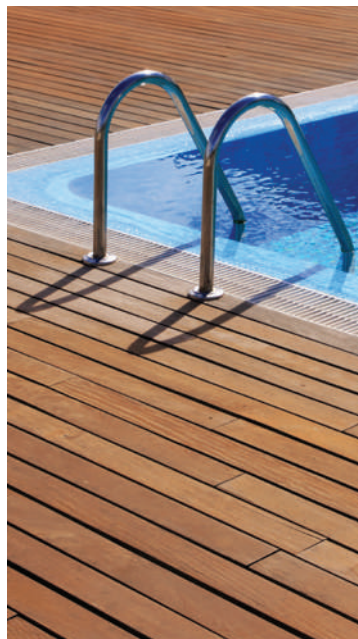
Cypress Grove

WG 111



Suitable  
for **Wood Decks**

Nippon Paint WoodGuard is an air-drying type of polyurethane which does not require any addition use of hardener. It dries quickly to a glossy, durable finish while enhancing the character of the natural grains of wood. With its enhanced UV protection property and flexibility, the varnish protects timber surfaces from the damaging effects of UV rays, making it ideal for exterior deck and outdoor furniture.



# EXTERIOR WOOD VARNISH Aqua WoodGuard

## DECK

### Durable Water-Based Wood Coating



- Good UV and weather resistance
- Excellent water repellent property
- Good dirt resistance
- Good stain resistance
- Good resistance to fungus and mold
- Good flow and levelling
- Water-based
- Easy to apply and clean
- Non-toxic, does not contain heavy metal
- Available in gloss and soft matt finish



Water-Based

#### GLOSS



Natural

AWG 201



Toasted Almond

AWG 202



#### SOFT MATT



Natural

AWG 301



Toasted Almond

AWG 302







Nippon Paint Aqua WoodGuard is a quick drying water-based coating, specially formulated using Advanced Polyurethane Dispersion (PUD) technology. The coating protects timber surfaces from the harmful effects of UV rays and enhances the natural beauty of wood grain with a long lasting finish. It has good durability and flexibility, making it suitable for decks and outdoor furniture.

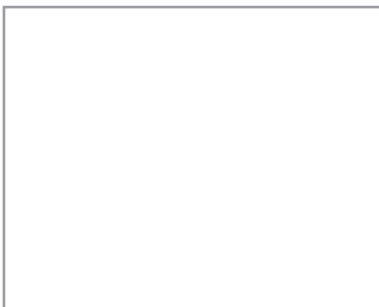


# EXTERIOR WOOD PAINT TimberCoat

Exceptionally durable wood paint finish

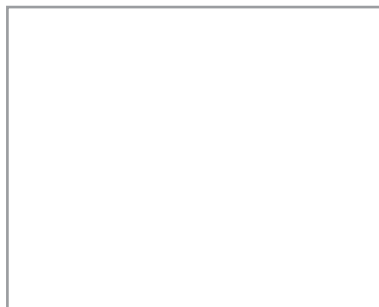


- Excellent durability
- Resists mould growth
- Contains light-fast pigments
- Good adhesion
- Mid-sheen finish
- Water-based paint



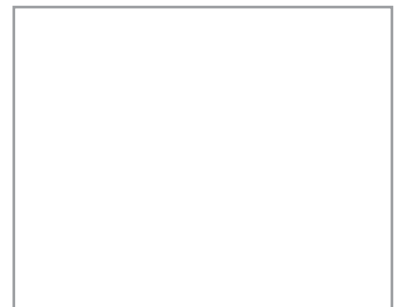
Smoky Grey

TBC 01



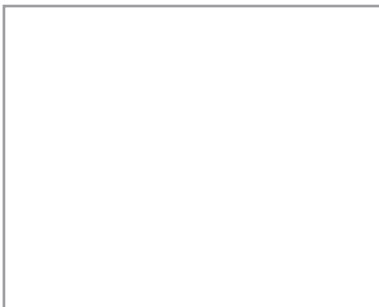
Gingerbread

TBC 02



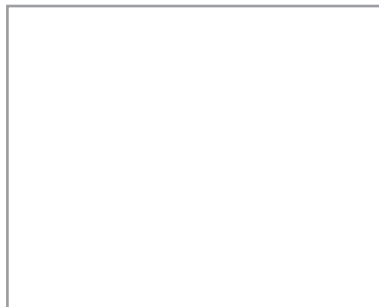
Tan Leather

TBC 03



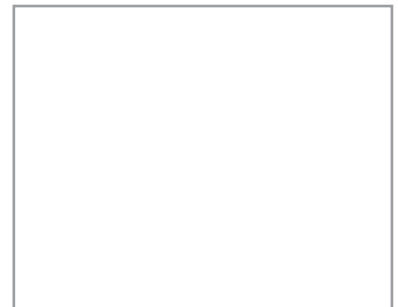
Teak

TBC 04



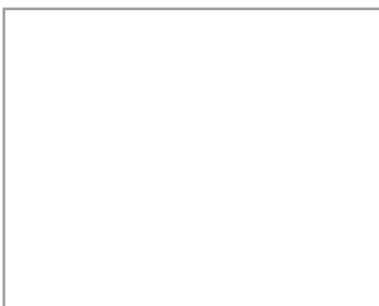
Siberian Nite

TBC 05



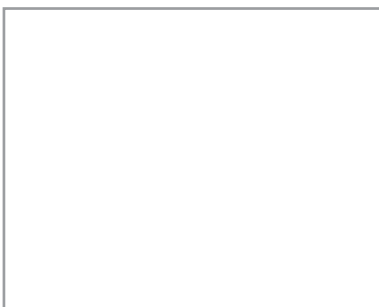
Cigar

TBC 06



White

TBC 07



Black

TBC 08





Suitable  
for **Doors &  
Furniture**

Nippon Paint Timbercoat is a low-sheen, high quality water-based acrylic paint suited for exterior wood surfaces such as fences & exposed balconies. It is durable and protects the wood against mould attack.



# APPLICATION DATA

## TIMBERLAC



|                                    |   |
|------------------------------------|---|
| <b>METHOD</b>                      | Roller, brush or air spray  |
| <b>THEORETICAL COVERAGE</b>        | Approximately 13m <sup>2</sup> /litre (35µm DFT)  |
| <b>DILUTION</b>                    | For roller or brush - use GP REDUCER<br>1st and 2nd coat - 20% max<br>Finishing coat - 10% max  |
| <b>SPRAY APPLICATION</b>           | Air Spray<br>Delivery Pressure (kg/cm) 4<br>Nozzle Size 13mm at 60° angle<br>Dilution 10% to 20%  |
| <b>SURFACE PREPARATION</b>         | New substrate must be: <ul style="list-style-type: none"> <li>• Free from grease/wax/loose surface matter</li> <li>• Lightly scuff (sandpaper #180) to remove unwanted matter by mechanical sanding. Upon drying of first coat, scuff lightly with sandpaper #600 to remove wood fibres</li> <li>• For repainting, sand down old paintwork lightly before applying first coat.</li> </ul> |
| <b>DRYING TIME</b>                 | Hard dry in 3 hours at 30°C   |
| <b>OVERCOATING TIME</b>            | 3 hours at 30°C   |
| <b>RECOMMENDED PAINTING SYSTEM</b> | 3 coats of Nippon Timberlac   |



Colour Creations™

## SOLARSHIELD



|                                    |   |
|------------------------------------|---|
| <b>METHOD</b>                      | Brush   |
| <b>THEORETICAL COVERAGE</b>        | Approximately 20m <sup>2</sup> /litre dependent on surface porosity   |
| <b>DILUTION</b>                    | Ready for use. If necessary, dilution of not more than 5% with Bodelac 9000 GP Reducer or Mineral Spirit.   |
| <b>SURFACE PREPARATION</b>         | <ul style="list-style-type: none"> <li>• Surface must be clean, dry and free from grease, paint, wax and polishes. Sand to smooth surface with suitable abrasive paper, working in the direction of the grain, before dusting off.</li> <li>• Clean off mould, algae, lichen and moss with a wire brush, before treating any fungus growth with Nippon Anti-Fungus Solution.</li> <li>• For previously painted wood, smoothen the surface with sandpaper, clean off and dry prior to application.</li> <li>• Do not apply over wood varnish, shellac and lacquers.</li> </ul> |
| <b>DRYING TIME</b>                 | Touch dry: 1-2 hours at 30°C  |
| <b>OVERCOATING TIME</b>            | 4 hours under normal conditions   |
| <b>RECOMMENDED PAINTING SYSTEM</b> | Apply 2-3 coats of Nippon Solarshield, depending on the substrate porosity.   |



Colour Creations™

## TIMBERCOAT



|                                    |   |
|------------------------------------|---|
| <b>METHOD</b>                      | Brush, roller or conventional spray   |
| <b>THEORETICAL COVERAGE</b>        | Approximately 10-12m <sup>2</sup> /litre dependent on surface porosity  |
| <b>DILUTION</b>                    | Ready for use. If necessary, dilution of not more than 5% with clean water.   |
| <b>SURFACE PREPARATION</b>         | <ul style="list-style-type: none"> <li>• Surface must be clean, dry and free from grease, paint, wax and polishes. Sand to smooth surface with suitable abrasive paper, working in the direction of the grain, before dusting off.</li> <li>• Clean off mould, algae, lichen and moss with a wire brush, before treating any fungus growth with Nippon Anti-Fungus Solution.</li> <li>• For previously painted wood, smoothen the surface with sandpaper, clean off and dry prior to application.</li> <li>• Do not apply over wood varnish, shellac and lacquers.</li> </ul> |
| <b>DRYING TIME</b>                 | Touch dry: 1 hour at 30°C   |
| <b>OVERCOATING TIME</b>            | 2 hours under normal conditions   |
| <b>RECOMMENDED PAINTING SYSTEM</b> | Primer: Not required, direct application<br>Finish: Nippon Timbercoat (2 coats)   |

## AQUA WOODGUARD



- METHOD** Brush
- THEORETICAL COVERAGE** Approximately 13m<sup>2</sup>/litre per coat (depend on surface porosity)
- DILUTION** Ready for use. If necessary, dilute with 5% clean water to improve ease of application
- SURFACE PREPARATION** New or unpainted wood surfaces:
- Surface must be clean, dry and free from grease, paint, wax, dirt and other contaminants before painting
  - Clean off mould, algae, lichen and moss with a wire brush
  - Smooth bare wood surface to be painted using grade #60 or #80 sandpaper, working in the direction of the grain before dusting off
  - If necessary, fill the wood grain with appropriate filler and smooth with sandpaper (grade #150 or #180)
  - Wood must be relatively dry, moisture content should not exceed 12% before painting
  - Allow the paint to dry thoroughly before applying next coat
  - Should fibre be observed, dry sand lightly before subsequent coat
  - Sanding between individual coats is necessary. Use grade #360 or #400 for sanding topcoat

Previously painted wood surfaces:

- If the previous paint film is in sound condition and without wax, smoothen it with sandpaper. Clean off and dry
- Otherwise, remove all unstable paint film, dust, oil, wax and other foreign matters
- Particular care is necessary on previously waxed surfaces and thorough mechanical sanding is recommended to remove all wax. Presence of wax on substrates will affect the drying and adhesion of the paint coating

**DRYING TIME** Surface dry - 45 minutes at 30°C  
Hard dry - 3 hours at 30°C

**OVERCOATING TIME** Minimum 4 hours under normal conditions

**RECOMMENDED PAINTING SYSTEM** 2 to 3 coats of Nippon Aqua WoodGuard until a satisfactory wood finish is obtained

## WOODGUARD



- METHOD** Brush
- THEORETICAL COVERAGE** Approximately 10 to 15m<sup>2</sup>/litre, depending on surface porosity
- DILUTION** Ready for use. If necessary, dilution of not more than 5% with Nippon General Purpose Thinner
- SURFACE PREPARATION** New or unpainted wood surfaces:
- Surface must be clean, dry and free from grease, paint, wax, dirt and other contaminants before painting
  - Clean off mould, algae, lichen and moss with a wire brush
  - Smooth bare wood surface to be painted using grade #60 or #80 sandpaper, working in the direction of the grain before dusting off
  - If necessary, fill the wood grain with appropriate filler and smooth with sandpaper (grade #150 or #180)
  - Wood must be relatively dry, moisture content should not exceed 12% before painting
  - Allow the paint to dry thoroughly before applying next coat
  - Should fibre be observed, dry sand lightly before subsequent coat
  - Sanding between individual coats is necessary. Use grade #360 or #400 for sanding topcoat

Previously painted wood surfaces:

- If the previous paint film is in sound condition and without wax, smoothen it with sandpaper. Clean off and dry
- For old paint which is in sound condition and without wax, smoothen it with sandpaper. Clean off and dry
- Otherwise, remove all unstable paint film, dust, oil, wax and other foreign matters
- Particular care is necessary on previously waxed surfaces and thorough mechanical sanding is recommended to remove all wax. Presence of wax on substrates will affect the drying and adhesion of the paint coating

**DRYING TIME** Touch dry: 1 hour at 30°C

**OVERCOATING TIME** Minimum 4 hours under normal conditions

**RECOMMENDED PAINTING SYSTEM** 2 to 3 coats of Nippon WoodGuard until a satisfactory wood finish is obtained

# PAINTING GUIDE



Bring new life and protection to old wood with Nippon Paint premium wood products developed specifically for use in interior, exterior and deck/flooring applications.

Like any painting system, preparation is essential to a good finish and rushing will without a doubt, lead to failure. There are many factors that affect the series of steps to adopt when painting wood, such as whether the wooden surface has been previously painted, how to prepare the wood prior to painting and which materials provide the best results.

The right paints and painting tools, including the correct brushes, sandpaper, sealer, base coat and varnish contribute to the final look and durability of the wood.

## Steps to a Beautiful Wood Finish



### STEP 01 CLEAN

Wood surface must be suitably prepared, clean, dry and free from traces of dust, dirt, wax and grease.



### STEP 02 SAND

Sand surface in the direction of the grain to avoid damage on wood surface.

\*Refer to Application Data on page 12-13 for the sandpaper grade.



### STEP 03 FILL

Choose similar or nearest wood putty colour. Apply using putty knife or scraper. Press firmly into place. Smoothen with sandpaper on treated surface.



### STEP 04 WIPE

Wipe off the surface with dry cloth from one end to another end in the direction of the wood grain to obtain a smooth and even finish.



### STEP 05 APPLY

Apply 2 to 3 coats of Nippon Paint wood varnish/wood paint by brush or spray. Sand between coats and wipe with a damp cloth to get rid of any dust or debris.



## Tips for Painting Wood



### TIP 1

#### Choose the Right Painting Materials

Choosing a good quality paint brush is highly recommended. Low quality brushes often leave bristles behind on the freshly painted surface, and do not offer a particularly smooth finish and leave brush marks on the finished coat. Pour the paint into a paint tray to allow room to tap the excess paint from the brush without causing a splatter.



### TIP 2

#### Brush Technique

Overloading the brush is a common mistake made by beginners. The idea is to load the brush with enough paint to produce a long, even stroke but not so much as to cause runs and drips, which will ruin the finish. The brush should be dipped into the tray and then rapidly moved from side to side, tapping against each edge to remove the excess paint. With a loaded brush, move to the top edge of the surface, place the brush against the wood at a 45 degree angle, and gently move the brush downwards in a straight line, maintaining the same gentle pressure. When the brush begins to drag, it is time to reload, even if there still appears to be plenty of paint left on the brush. Short strokes and dabs will leave imperfections in the finish, so avoiding them is the best course of action. Once reloaded, the brush should be placed where the previous load finished.



### TIP 3

#### Do Not Paint Over Previously Painted Wooden Surfaces

If the wooden surface already has a layer of paint, it is not advisable to simply add a new coat. This is because the new paint will not adhere correctly to the old coat as the surface is not suitable for absorption. Simply adding a new coat will result in a patchy, uneven finish, and the old coat can cause the new paint to bubble. Prepare a previously painted wooden surface for new paint by scraping, sanding, and filling imperfections and cracks.



# NIPPON PAINT

## COMPLETE WOOD PROTECTION



| TECHNOLOGY                    | TIMBERLAC<br>Interior Wood Varnish | SOLARSHIELD<br>Exterior Wood Varnish | WOODGUARD<br>Exterior Wood Deck Varnish | AQUA WOODGUARD<br>Exterior Wood Deck Varnish |
|-------------------------------|------------------------------------|--------------------------------------|---|--|
|                               | Enhance natural wood grain         | Protects wood against sun and rain   | Enhance ultraviolet protection          | Durable water-based wood coating             |
| Sheen Level                   | GLOSS                              | GLOSS                                | GLOSS                                   | GLOSS / SOFT MATT                            |
| Anti-Fungus                   | ★                                  | ★                                    | ★                                       | ★  |
| Durability                    | ★                                  | ★                                    | ★                                       | ★  |
| Excellent Abrasion Resistance | ★                                  | ★                                    | ★                                       | ★  |
| UV Protection                 |                                    | ★                                    | ★                                       | ★  |
| Excellent Water Repellency    | ★                                  | ★                                    | ★                                       | ★  |
| Anti-Mould                    | ★                                  | ★                                    | ★                                       | ★  |
| Excellent Dirt Resistance     | ★                                  | ★                                    | ★                                       | ★  |
| Good Flexibility              |                                    |                                      | ★                                       | ★  |
| Water-Based                   |                                    |                                      |   | ★  |

**Nippon Paint (Singapore) Co. Pte Ltd**  
 1, First Lok Yang Road Jurong Singapore 629728  
 Tel: (65) 6265 5355 | Fax: (65) 6264 1603 | [www.nipponpaint.com.sg](http://www.nipponpaint.com.sg)

Join us at NipponPaintSingapore