

## TECHNICAL DATA SHEET FOR

**NIPPON AQUA WOODGUARD**

- DESCRIPTION** : Nippon 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 ray and enhances the natural beauty of wood grains with a long lasting finish. It has good durability and flexibility, suitable for decks and outdoor furniture
- TYPE** : One pack water-based PUD paint for interior and exterior use
- COLOUR** : Transparent colours as per colour card
- FINISH** : Gloss and Sheen
- USES** : Suitable for all types of new wood surfaces and those previously painted with a transparent wood film such as stair railing, fences, door, frame, furniture, parquet flooring and deck etc
- FEATURES** :
- 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

**APPLICATION DATA**

- METHOD** : Brush
- THEORETICAL COVERAGE** : Approximately 13 m<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 :**
    - a) Surface must be clean, dry and free from grease, paint, wax, dirt and other contaminants before painting
    - b) Clean off mould, algae, lichen and moss with a wire brush
    - c) Smooth bare wood surface to be painted using grade #60 or #80 sandpaper, working in the direction of the grain before dusting off

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- d) If necessary, fill the wood grains with appropriate filler and smooth with sandpaper (grade #150 or #180)
- e) Wood must be relatively dry, moisture content should not exceed 12 % before painting
- f) Allow the paint to dry thoroughly before applying next coat
- g) 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 :**

- a) If the previous paint film is in sound condition and without wax, smoothen it with sandpaper. Clean off and dry
- b) For old paint which is in sound condition and without wax, smoothen it with sandpaper. Clean off and dry
- c) Otherwise, remove all unstable paint film, dust, oil, wax and other foreign matters
- d) 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

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|------------------------------------|---|--|
| <b>DRYING TIME</b>                 | : | Surface dry - 45 minutes at 30 °C<br>Hard dry - 3 hours at 30 °C   |
| <b>OVERCOATING TIME</b>            | : | Minimum 4 hours under normal conditions  |
| <b>RECOMMENDED PAINTING SYSTEM</b> | : | 2 to 3 coats of Nippon Aqua WoodGuard until a satisfactory wood finish is obtained   |
| <b>CLEANING</b>                    | : | All equipment should be cleaned with water immediately after use   |
| <b>GENERAL INFORMATION</b>         |   |  |
| <b>SOLID CONTENT</b>               | : | 33.0 ± 2.0 % by weight (gloss, varies from colour to colour)<br>31.0 ± 2.0 % by weight (sheen, varies from colour to colour) |
| <b>SPECIFIC GRAVITY</b>            | : | 1.03 ± 2.0 % kg / litre (gloss and sheen)  |
| <b>PACKING</b>                     | : | 1 litre and 5 litres   |
| <b>STORAGE</b>                     | : | Store in a tightly sealed container in a cool, dry place   |
| <b>SHELF LIFE</b>                  | : | Up to 24 months in a tightly sealed container  |

**NIPPON AQUA WOODGUARD****PRECAUTION**

: New wool brushes used for application should be soaked in detergent solution for 3 – 5 minutes and rinsed with clean water before use. Avoid painting when the temperature is below 10 °C or above 35 °C or when the humidity is over 85 %. Ensure good ventilation during application and drying of paint. Ensure adequate protection and avoid direct contact on sensitive skin, eyes, etc

Refer to the product Safety Data Sheet for more information

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

**Enquiries / Contact Details**

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