
PRODUCT DATA SHEET

TILAC FD**Product Description:**

TILAC FD is a single component solvent-borne Oil-Modified Alkyd paint with fast drying, good durability, higher gloss and better opacity properties. TILAC FD is used as a finishing coat over primed wood and metal surfaces both internal and external.

Physical Characteristics of Paint:

Colour	: Full range of decorative colours as per colour card
Finish	: Full Gloss
Specific Gravity	: 1.11 ± 0.05 ⁽¹⁾
Solid Content	: 49 ± 2 by volume ⁽¹⁾

Remark: (1) Base on White colour

Performance Characteristics:

- Fast drying
- Economical and easy to use
- Corrosion protection especially with a primer
- Tough and durable film
- Excellent adhesion on general substrates
- Good flow and smooth finish

Recommendation for Use:**Surface Preparation**

The surface to be painted must be dry, clean and free from dirt, grease, oil and other contaminations. Method of surface preparation depends on the type of substrate and the condition under which it will operate.

Ferrous Metal - Prime with Nippon TILAC RED OXIDE PRIMER, TILAC GREY PRIMER or NIPPON 1100 FAST DRYING PRIMER for better result.

Non-Ferrous Metal - Prime with NIPPON VINILEX 120 ACTIVE PRIMER

Wood and Timber - Prime with TILAC ALUMINIUM WOOD PRIMER

Recommended No. of Coats	: 1 - 2 coats
Recommended Film Thickness per coat	: 30 microns for dry film 61 microns for wet film

NIPPON PAINT (VIETNAM) CO., LTD

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Theoretical Coverage at Recommended Film Thickness : 16.3 m² / liter (for dry film thickness of 30 microns)

$$\text{Theoretical Coverage (m}^2/\text{ liter)} = \frac{\text{Volume Solid (\%)} \times 10}{\text{Dry Film Thickness (\mu)}}$$

Practical Coverage (20% Loss Factor) : 13.1 m² / liter (for dry film thickness of 30 microns)

Note : This theoretical coverage rate has been calculated from the volume solid of the material and is related to the amount of coating applied onto a perfectly smooth surface without wastage. For a practical coverage rate, due allowance should be made for atmospheric conditions, surface roughness, geometry of the article being coated, the skill of applicator, method of application etc. when estimating quantities required for a particular job.

Application Data:

Application Methods : Brush, roller, compressed and air spray

Guiding Data for Spray : Air

Delivery Pressure (kg/cm²) 3 - 4

Tip size at 60° angle 1.3 mm

Thinning : Roller & Brush 10% maximum

Air Spray 20% maximum

Thinner : NIPPON TILAC THINNER

Cleaning Solvent : NIPPON TILAC THINNER

Note: All equipment should be cleaned IMMEDIATELY with Thinner after use. For thinning, substitute thinners other than those approved or supplied by Nippon Paint may adversely affect the product performance and void product warranty whether expressed or implied.

Drying Time at 25°C to 30°C:

Dry to touch : Approximately 45 minutes

Dry to handle : 4 hours

Dry to overcoat : Minimum 6 hours

Standard Packing : 0.8 Liter, 3 Liters, 18 Liters & 20 Liters

Environmental Conditions during Application:

1. Do not apply when the relative humidity exceeds 85%. The temperature of the substrate to be painted must be 3°C higher than the dew point.
2. Do not apply at temperature below 7°C. If not, drying and overcoating time will be considerably extended.

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3. During application of the paint, naked flame, welding operations and smoking should not be allowed and good ventilation is necessary.

Safety, Health and Environmental Information:

1. Flammable Liquid. Do not expose to heat, sparks or open flame.
2. Skin Contact: May cause moderate skin irritation. Avoid prolong contact with skin. Use solvent resistant glove. To remove splashes of paint from skin, use soap and water.
3. Inhalation: Respiratory irritation. Only used in well ventilated areas. Do not breathe vapor or spray paint. Respirator with organic vapor cartridges recommended.
4. Eye Contact: Cause severe eye irritation and blurred vision. Safety glasses / goggles with side shields recommended. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
5. Ingestion: Harmful if swallowed. Keep away from drinks, food and out of reach of children. If swallowed, seek medical advice immediately and show the container or label.
6. In the event of an accident, contain and collect spillage using sand or earth or absorbent. Do not empty into drain or water courses.
7. Wastes and empty containers should be treated and disposed of in accordance with national and local regulations. Empty containers and packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

NOTE: *The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product data sheet without further notice.*

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