

PRODUCT DATA SHEET

NIPPON 1105 FAST DRYING PRIMER**Product Description:**

NIPPON 1105 FAST DRYING PRIMER is a blend of special fast drying binder with Zinc Phosphate anti-corrosive pigments to protect metal from rusting under mild and moderate conditions for long period of time.

Physical Characteristics of Paint:

Colour	: Light Grey
Finish	: Matt
Specific Gravity	: 1.44 ± 0.05
Solid Content	: 48 ± 2 by volume

Performance Characteristics:

- Good adhesion on wide range of substrate
- Non-toxic, good corrosive resistant
- Effective long-term protection
- Very fast-drying
- Cost-effective through high coverage
- High quality appearance achievable with appropriate finishing coat
- Comply with National technical regulation QCVN 08:2020/BCT on the limits of Lead content in paints.

**Recommendation for Use:****Surface Preparation**

Power tool cleaning in accordance with Swedish Standard ST 2.0, preferably abrasive blast cleaning to SA 2.5 for optimum performance and longer protection. The surface to be painted must be dry, clean, stable and free from dirt, grease, oil and other contaminations.

Recommended No. of Coats	: 1 - 2 coats
Recommended Film Thickness per coat	: 40 microns for dry film 83 microns for wet film
Theoretical Coverage at Recommended Film Thickness	: $12.0 \text{ m}^2 / \text{liter}$ (for dry film thickness of 40 microns)

NIPPON PAINT (VIETNAM) CO., LTD

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

Practical Coverage (20% Loss Factor) : 9.6 m² / liter (for dry film thickness of 40 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 air spray and airless spray		
Guiding Data for Spray	:	<u>Air</u>	<u>Airless</u>
	Delivery Pressure (kg/cm ²)	3 - 4	140 - 170
	Tip size at 60° angle	1.3 mm	0.015" - 0.017"
Thinning	:		
	Roller & Brush	10% maximum	
	Air Spray	25% maximum	
	Airless Spray	5% maximum	

Thinner : NIPPON FAST DRYING THINNER

Cleaning Solvent : NIPPON FAST DRYING 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

Temperature (Degree C)	Touch dry (minutes)	Hard dry (minutes)	Over coating interval (Hours)	
			<u>Min</u>	<u>Max</u>
5 °C	30	150	3	Extended
15 °C	20	90	2	Extended
25 °C	12	60	1.2	Extended
40 °C	3	30	0.75	Extended

The reading is for guidelines only. Actual drying time before recoating may be shorter or longer depending on the film thickness, humidity, temperature, ventilation and underlying painting system.

Standard Packing : 5 Liters & 20 Liters

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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.
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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