



NIPPON 1150 R/O FAST DRYING PRIMER

Ref. No. : PDS-0511-EN

Version No. : 1

Revision Date : 28.07.12

CSTC: ZSV

Product Description

NIPPON 1150 R/O FAST DRYING PRIMER is a blend of special fast drying binder with Zinc Phosphate anti-corrosive pigments and Red Oxide pigment to protect metal from rusting under mild and moderate conditions for long periods of time.

Physical Characteristics

Finish	:	Low gloss
Colour	:	Reddish brown
Specific Gravity	:	1.54 ± 0.05kg depending on colours
Solid Content	:	50 ± 2% by volume

Performance Characteristics

- Effective long-term protection
- Non-toxic, good corrosive resistant
- Very fast-drying
- Cost-effective through high coverage
- Easy application and adheres on wide range of substrate
- High quality appearance achievable with appropriate finishing coat

Recommendation for Use

Surface Preparation:

Power tool cleaning to minimum SSPC-SP2 or Swedish Standard ST 2.0 (ISO 8501-1:1988), but 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 mill scale, dirt, grease, oil and other contaminations.

Recommended No. of Coats	:	1 – 2 coats
Recommended Thickness (per coat)	:	40 microns for dry film 84 microns for wet film
Theoretical Coverage (at recommended thickness)	:	11.9 m ² / litre (for dry film thickness of 40 microns) Theoretical Coverage = $\frac{\text{Volume Solid (\%)} \times 10}{\text{Dry film thickness (\mu m)}} \text{ (m}^2\text{/litre)}$
Practical coverage (30% Loss factor)	:	8.3 m ² / litre (for dry film thickness of 40 microns)

NIPPON PAINT (VIETNAM) CO LTD

No. 14, 3A Road, Bien Hoa Industrial Zone II, Dong Nai Province, Vietnam.
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Nippon 1150 R/O Fast Drying Primer (cont'd)

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 to 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 ³)	3 – 4	140 – 170
		Tip size at 60° angle	1.3mm	0.015" – 0.017"
Thinning	:	Roller and brush – 10% maximum Compressed air spray – 25% maximum Airless spray – 5% maximum		
Thinner	:	Nippon Fast Drying Thinner		
Cleaning	:	Nippon Fast Drying Thinner		

Note: All equipment should be cleaned IMMEDIATELY with Nippon Fast Drying Thinner after used. 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)	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.

General Information

Shelf Life	:	Up to 12 months when stored in tightly sealed containers below 25°C.
Packing	:	5 Litres and 20 litres

Environment 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.

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Nippon 1150 R/O Fast Drying Primer (cont'd)**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 vapour or spray paint. Respirator with organic vapour 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.

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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