



Sơn Nippon
Sơn Dầu Cũng Đẹp

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PRODUCT DATA SHEET

VINILEX 120 ACTIVE PRIMER

Product Description:

NIIPPON VINILEX 120 ACTIVE PRIMER is a two-pack Polyvinyl butyral-based, acid catalysed etching primer that is necessary to ensure good adhesion on all non-ferrous metals. Widely used by both manufacturing and heavy duty protection concerns.

Physical Characteristics of Paint:

Colour	: Olive Green
Finish	: Matt
Specific Gravity	: 0.91 ± 0.05 (for Mixture of Base & Hardener)
Solid Content	: 13 ± 2 by volume (for Mixture of Base & Hardener)

Performance Characteristics:

- Quick-dry for short recoating convenience
- High coverage, requires only a thin coat. Economical to use
- Anti-corrosive property for short term protection
- Excellent adhesion on all non-ferrous metals and blast cleaned steel
- Short term weather resistant

Recommendation for Use:

Surface Preparation

Surface must be actual bare metal. All surface to be painted must be clean, dry, stable and free from dirt, grease, oil and other contaminations. All steel surfaces must be Sand Blasted to SA 2.5 Swedish Standard for heavy duty service.

Recommended No. of Coats	: 1 coat
Recommended Film Thickness per coat	: 15 microns for dry film 117 microns for wet film
Theoretical Coverage at Recommended Film Thickness	: 8.5 m ² / liter (for dry film thickness of 15 microns)

NIPPON PAINT (VIETNAM) CO., LTD

No. 14, 3A Road, Bien Hoa Industrial Zone II, Long Binh Tan Ward, Bien Hoa City, Dong Nai Province, Vietnam
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	Theoretical Coverage = $\frac{\text{Volume Solid (\%)} \times 10}{\text{Dry Film Thickness (\mu)}}$ (m ² / liter)
Practical Coverage (20% Loss Factor)	: 6.8 m ² / liter (for dry film thickness of 15 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	:	<table border="1"><thead><tr><th></th><th><u>Air</u></th><th><u>Airless</u></th></tr></thead><tbody><tr><td>Delivery Pressure (kg/cm²)</td><td>3 - 4</td><td>140 - 170</td></tr><tr><td>Tip size at 60° angle</td><td>1.2 mm</td><td>0.015" - 0.017"</td></tr></tbody></table>		<u>Air</u>	<u>Airless</u>	Delivery Pressure (kg/cm ²)	3 - 4	140 - 170	Tip size at 60° angle	1.2 mm	0.015" - 0.017"
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Thinning	:	<table border="1"><tbody><tr><td>Roller & Brush</td><td>10% maximum</td></tr><tr><td>Air Spray</td><td>20% maximum</td></tr><tr><td>Airless Spray</td><td>5% maximum</td></tr></tbody></table>	Roller & Brush	10% maximum	Air Spray	20% maximum	Airless Spray	5% maximum			
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Mixing Ratio	: 4 parts by volume of VINILEX 120 ACTIVE PRIMER BASE to 1 part by volume of VINILEX 120 ACTIVE PRIMER HARDENER. BASE and HARDENER to be mixed and stirred thoroughly for 20 minutes prior to application. Dilution should be done after the addition of hardener.										
Pot Life at 25°C to 30°C	: 18 - 24 hours. Higher temperature will shorten pot life.										
REMARK: As the HARDENER is an Acid, do not use metal container for mixing, as it is susceptible to attack by acid. Only plastic container should be used for mixing. Ensure that the container, before mixing and after putting the hardener, is free of following contaminants: <ul style="list-style-type: none">- Alkaline substances- Oil / Grease- Materials containing Calcium Carbonate, Clay, Zinc Oxide and Lithopone.											

Thinner	: NIPPON VINILEX 125 THINNER
Cleaning Solvent	: NIPPON VINILEX 125 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.	

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Drying Time at 25°C to 30°C:

Dry to touch	: Approximately 10 minutes
Dry to handle	: 1 hour
Dry to overcoat	: Minimum 2 hours

Standard Packing : 5 Liters (4 Liters of BASE with 1 Liter of HARDENER)

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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