

FEATURES

Nippon Red Oxide Primer is an alkyd-based rust inhibitive primer used as a protective coating for priming iron and steel under non-immersion condition.

- Good protection for steel
- Weather & UV resistant
- Good adhesion & prevent peeling problem

PRODUCT INFORMATION

Paint type	Rust Inhibitive Primer
Product type	Exterior & Interior
Film appearance	Matt
Color	Reddish brown
Grade	Premium
Recommended substrate	Steel & Iron that needs general protection
Pack size	1 Gallon, 5 Gallons

TECHNICAL INFORMATION

Theoretical coverage	52-60	m ² per gallon per coat
Practical coverage	42-48	m ² per gallon per coat
These values are calculated based on the above theoretical coverage and a loss factor of 20% The actual loss factor for a particular job may vary depending on the application condition, method and technique; surface condition; as well as the structure and dimension of the object to be coated.		
No. of coat	1-2	coats
Solid by volume	56±2	%
Solid by weight	73±2	%
VOC	<450	g/L
Wet film thickness	63-72	microns
Dry film thickness	35-40	microns
Touch dry (25-30°C)	1	hr.
Recoat dry (25-30°C)	16	hrs.
Full cure (25-30°C)	7	days

REFERENCE STANDARD

MIT (Made in Thailand)	✓	Passed
Carbon Footprint Label (CFP)	✓	Passed

APPLICATION

Applicator	Air spray, airless spray, roller and brush
Diluted by	Nippon Alkyd thinner or Hi-Thinner #01
Dilution (%)	Normally no thinning is required or thinning not more than 5% If application is by airless spray. Where thinning is necessary for workability, use about 5-10% thinner by volume for application by brush and roller, 40-50% for application by compressed air spray.

SURFACE PREPARATION

Metal	Surface must be dry and free from dirt, grease and other contaminants. Ferrous substrate should be sanded or wire-brushed to remove mill scales and rust. Clean off dust and dry.
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PAINT SYSTEM

Primer for metal surface	Nippon Paint Red Oxide Primer 1-2 coats
Top coat	Nippon Paint Bodelac Gloss 2-3 coats
	Note: In case of vivid and intense color shade, a lighter shade is recommended to apply in the first coat for a good hiding result.

HANDLING AND STORAGE

Storage condition	The product must be stored in a dry, well-ventilated space and keep the container tightly closed. When transporting paint, the product should separately from others. Not recommended to place the product outdoor or exposed to the sun directly and must separately be stored between enamel paint and thinner, which is a flammable substance.
Precipitation	Place the product for a long time may lead the pigment to precipitate at the bottom of the container and can deteriorate over time when not stir product to a homogeneous by using suitable tools, such as an electric drill, air drill, or a stirrer. Therefore, should stir the product to the homogeneous phase before use. If not, the product will cause paint problems e.g. low hiding power or non-equal color shade.
Shelf life	5 years at 30-35 °C

SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet.

DISCLAIMER

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.
We reserve the right to alter the given without prior notice.

NOTE

The data are average values for reference only. However, the actual value depends on environmental conditions.