NIPPON RED OXIDE PRIMER

PRODUCT DESCRIPTION

NIPPON METAL RED OXIDE PRIMER is an Oil-Modified Alkyd based anti-rust primer used as an economical protective coating for iron and steel surfaces under non-immersion condition.

PHYSICAL CHARACTERISTICS

Finish	:	Low Gloss
Colour	:	Reddish Brown
Specific Gravity	:	1.48 ± 0.05kg/litre
Solid Content	:	49 ± 2% by volume

PERFORMANCE CHARACTERISTICS

1. Economic grade of normal protection..
2. Non-toxic.
3. Cost-effective through high coverage.
4. High quality appearance achievable with appropriate finishing coat.
5. Ease of application. Can be applied by normal spraying equipment.

APPLICATION DATA

SURFACE PREPARATION

FERROUS METAL

On new surfaces	Suggested Treatment
Oil/Grease	- Organic solvent cleaning
Mill Scale & Rust	- Sand paper - Power tool cleaning in accordance with Swedish Standard St. 2, minimum. (SIS 05 59 00 / ISO 8501-1:1988). - Sand Blasting in accordance with Swedish Standard Sa 2.5, maximum (Ideal). - All bare metal must be immediately primed to prevent initial corrosion.

Repainted Surfaces	Suggested Treatment
Corrosion	- Sand paper sanding. - Power tool cleaning in accordance with Swedish Standard St. 2, minimum. (SIS 05 59 00 / ISO 8501-1:1988). - Sand Blasting in accordance with Swedish Standard Sa 2.5, maximum (Ideal). - All exposed metal must be immediately primed to prevent initial corrosion.

	NON-FERROUS METAL Remove oil & grease and other forms of dirt e.g. by organic solvent cleaning. Apply 1 coat of NIPPON VINILEX 120 ACTIVE PRIMER and then coat with system as specified above for ferrous surface
THINNING	Thin only to improve workability wit Thinner General Purpose. Note: 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.
APPLICATION METHOD	Brush, roller. Compressed air spray and airless spray.

APPLICATION GUIDING DATA	**Conventional Spray Gun**	**Airless**	**Air Pressure**
	Delivery Pressure	140kg-170kg/cm²	3 - 4kg/cm²
	Tip Size (at 70º angle)	0.017″	1.3-1.5mm
	Thinner Dilution	5%	20-25%
	Brush or Roller		
	Dilution	10-15%	

FILM THICKNESS	A maximum dry film thickness 35 microns per coat is recommended.
NO. of COAT	1-2 coats.
PAINT COVERAGE (20% loss factor)	Theoretical: 14.3m²/litre Practical: 10.0m²/litre (at 35µm DFT) 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.
COATING INTERVAL	Minimum: 16 hours at 25°C to 30°C
DRYING TIME	Dry to touch: 45 minutes at at 25°C to 30°C Dry to Handle: After 24 hours at at 25°C to 30°C These are dependent on the film thickness and the ventilation of the environment allowed. Increased temperature will speed up the drying time.
CURING TIME	Complete curing should be obtained after 5-7 days at 25°C to 30°C Increased temperature time will accelerate the rate of curing.

GENERAL INFORMATION

SHELF LIFE	Up to 24 months when stored in tightly sealed containers below 25°C.
PACKING	5 litres and 20 litres
PRECAUTION	It contains volatile and flammable solvents. Ensure adequate ventilation during use; avoid naked flame, welding operation and fire. Never mix alcohol or water into the paint. Avoid undue contact with skin. All equipment should be cleaned with Thinner General Purpose immediately after use.