



## NIPPON PROTECTIVE ACRYLIC FINISH

**Product Description:**

**NIPPON PROTECTIVE ACRYLIC FINISH** is an acrylic based paint for use on steel, galvanised steel, aluminium window frames and clear coating for polished bars, copper, bronze, zinc and chromate plate. It is characterised by its fast drying property, outstanding chemical resistance, weatherability, toughness, flexibility and recoating property.

**Physical Characteristics Of Paint**

<b>Colour</b>	:	Range of colours
<b>Texture</b>	:	Semi Gloss
<b>Specific Gravity</b>	:	0.90 - 1.20, depending on colours
<b>Solid Content</b>	:	40 ± 3% by volume

**Recommendation For Use**

<b>Surface Preparation</b>	:	For steel structure, the surface must be painted with one coat of <b>Nippon Protective Acrylic Red Oxide Primer</b> before application of <b>Nippon Protective Acrylic Finish</b> .
<b>Recommended No. Of Coat</b>	:	1 – 2 coats
<b>Recommended Film Thickness Per Coat</b>	:	40-50 microns for dry film 100-125 microns for wet film
<b>Theoretical Coverage At Recommended Film Thickness</b>	:	10.0 m <sup>2</sup> /litre (for dry film thickness of 40 microns) 8.0 m <sup>2</sup> /litre (for dry film thickness of 50 microns)
		$\text{Theoretical Coverage} = \frac{\text{Volume Solids (\%)} \times 10}{\text{Dry Film Thickness (\mu)}} \text{ (m}^2\text{/litre)}$
<b>Practical Coverage (20% Loss Factor)</b>	:	8.0 m <sup>2</sup> /litre (for dry film thickness of 40 microns) 6.4 m <sup>2</sup> /litre (for dry film thickness of 50 microns)

Note: This theoretical coverage rate has been calculated from the volume solids 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.

<b>Application Methods</b>	:	Brush, roller, compressed air spray and airless spray.
<b>Guiding Data For Airless Spray</b>	:	Delivery Pressure : 140-170 kg/cm <sup>2</sup> Tip Size : 0.015" – 0.017" Spray Angle : 60° - 70°
<b>Thinning</b>	:	If necessary, add up to 5% thinner by volume for application by brush, roller and airless spray; about 10% - 15% by volume for application by compressed air spray.

<b>Thinner</b>	:	OP-1 Thinner
<b>Cleaning Solvent</b>	:	OP-1 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 At 25°C to 30°C:**

Dry to touch	:	5 minutes
Dry to handle	:	20 minutes
Dry to overcoat	:	4 hours

<b>Standard Packing</b>	:	5 litres
<b>Shelf Life At 25°C to 30°C</b>	:	2 years

#### **Environmental conditions During Application:**

1. Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.
2. Do not apply at temperature below 7°C. If not, drying and overcoating times 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. In the wet state, this product is highly inflammable. In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.
2. Keep away from sources of ignition. No smoking.
3. Keep container tightly closed and keep out of reach from children.
4. Do not breathe vapour/spray. Applying paint to large surface areas under closed environment should use air supplied breathing equipment. For small areas or short periods, a suitable cartridge mask should be worn.
 

Inhalation	:	Remove to fresh air, loosen collar and keep patient rested.
Ingestion	:	In case of accidental ingestion. DO NOT INDUCE VOMITING. Seek immediate medical attention.
5. Avoid contact with skin and eyes. Wear suitable protective coating such as overalls, goggles, dust masks and gloves. Use a barrier cream.
 

Eyes	:	In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
Skin	:	Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.
6. Care must be taken when transporting paint. Keep container in a secure upright position.
7. Do not empty into drains or watercourses. Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Note: A Chemical Safety Data Sheet (CSDS) is available upon request.

#### **NOTE:**

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 accuracy of our information or the suitability of our products in any given condition.

We reserve the right to alter the given data without notice.