

**PRODUCT DESCRIPTION**

**Hi-Alkyd 1501 Alkyd Top Coat** is a one-pack alkyd gloss enamel finish coat. It is fast drying and provides a durable finish with good gloss retention.

**INTENDED USE**

It is designed for use as a top coat over a suitable primer intended for both interior and exterior exposure. It is also suitable for use as an industrial maintenance finish in a wide range of industrial environments.

**GENERAL PROPERTIES**

<b>Colour</b>	: Standard colours as per colour cards Special colours available upon request
<b>Gloss Level</b>	: Gloss
<b>Volume Solid</b>	: 50 ± 2 %
<b>Specific Gravity</b>	: 1.12 ± 0.10 kg/l - depending on colours
<b>Flash Point</b>	: 23 °C
<b>VOC</b>	: 430 g/L (EPA Method 24)
<b>Typical Thickness</b>	: 30 – 50 µm dry film 60 – 100 µm wet film

**SURFACE PREPARATION**

All surfaces should be clean dry, and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Damaged Area

Damage area should be prepared with abrasive blast cleaning to Sa 2½ (ISO 8501-1) or SSPC-SP10. When abrasive blasting is not possible, mechanical cleaning to St3 (ISO 8501-1) or SSPC-SP3 is acceptable. After the surface preparation, patch suitable primer prior to the application of Hi-Alkyd 1501.

Other Surfaces

The coating may be used on other substrates. Please contact your local Nippon Paint office for more information.

**CONDITION DURING APPLICATION**

Avoid paint application when the temperature is below 10 °C and relative humidity is above 85 %. The temperature of steel surface must be minimum 3 °C above dew point of surrounding air.

**APPLICATION GUIDE**

<b>Mixing Ratio</b>	: Product should be mixed thoroughly before use with a mechanical agitator
<b>Theoretical Coverage</b>	: 16.7 m <sup>2</sup> /litre at 30 µm DFT 10.0 m <sup>2</sup> /litre at 50 µm DFT

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<b>Thinner</b>	: Hi-Pon Alkyd Thinner
<b>Cleaner</b>	: Hi-Pon Alkyd Thinner

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**APPLICATION METHOD**

Conventional air and airless spray are recommended for application. Brush and roller are recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.

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**APPLICATION DETAILS**

<b>Airless Spray</b>	: Tip Size	: 0.015" – 0.021"
	: Pressure at nozzle	: 140 – 200 bar
<b>Drying Time</b>	: Substrate Temperature	<u>25 °C</u> <u>40 °C</u>
	Surface Dry	20 mins    10 mins
	Through Dry	5 hrs      3 hrs
	Dry to Overcoat (min)	6 hrs      4 hrs
	Dry to Overcoat (max)	Extended

**Remarks:** Where an "extended" overcoating time is stated, consult Nippon Paint Protective Coatings for recommended surface preparation to achieve optimal intercoat adhesion.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

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**HEAT RESISTANCE****Dry, Atmospheric**

- Continuous : 100 °C
- Minimum : - 20 °C
- Intermittent : 120 °C

Intermittent temperature duration – 1 hour maximum

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures. Heat resistance is influenced by the total coating system. If used as part of a system, ensure all coatings in the system have similar heat resistance.

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**RECOMMENDED  
COATING SYSTEM**

The following coating systems are recommended for Hi-Alkyd 1501 Alkyd Top Coat:

**Primer:**

- Hi-Alkyd 1401 Red Oxide HB Primer
- Hi-Alkyd 1406 Zinc Phosphate Primer
- Hi-Vinyl 1201 Zinc Phosphate Primer
- Hi-Pon 20-03 Epoxy Red Oxide Primer
- Hi-Pon 20-04 STE 80
- Hi-Pon 20-10 Epoxy Zinc Phosphate 63

For the choice of coating system for different application, refer to the product brochure or contact Nippon Paint for professional recommendation.

**PACKAGING**

<u>Unit</u>	<u>Volume</u>	<u>Container Size</u>
5 L	5 L	5 L
20 L	20 L	20 L

**STORAGE**

**Shelf Life** : 12 months (25 °C)

Subject to re-inspection thereafter. Higher temperature during storage may reduce the shelf life and may lead to gelling in the tin. Frequent temperature cycles may also shorten the shelf life.

Store in tightly closed container in a dry, cool and well-ventilated space, keep away from sources of heat and ignition.

**SAFETY PRECAUTION**

- This product is intended for use of professional applicators. Refer to the safety information display on the container and in the safety data sheet (SDS) before using the product.
- Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water.
- Eye should be well flush with water and seek for medical attention immediately upon contact with this product.
- During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided.
- If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice.

**DISCLAIMER**

The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and

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