

General Description

Nippon Paint Aquatec 1900 Zinc Phosphate Primer is an eco-friendly anti-corrosion primer. It is formulated to be used on metal and plastic surfaces. It has exceptional adhesion to PVC, UPVC, steel, galvanized steel and aluminum.

Recommended For

- PVC
- UPVC
- Steel
- Galvanized steel
- Aluminum

Features

- Eco-friendly
- Good adhesion
- Anti-corrosion property
- Quick drying

General Information

Colour:	White	Drying time: (at 25°C)	Touch dry: 20 mins
Type:	Water-based acrylic anti-corrosion primer	Overcoat Time: (at 25°C)	4 hrs
Finishes:	Matt	Full Curing (at 25 °C)	7 days
Application Method:	Roller / Brush / Compressed air spray /Airless spray	Specific Gravity: (at 20°C)	1.20±2%
Theoretical Coverage:	10.4 m ² /L/coat (35µm) 6.90 m ² /L/coat (45µm)	Solid Content: (by volume)	42.29%
Dilution:	No Use clean water if necessary Brush / Roller – 5% Spray – 15~20%	Packing:	5L / 18L
Dry Film Thickness:	35µm - 45µm	Shelf Life:	24 months in sealed original packaging stored at room temperature and shaded place.

Nippon Paint Aquatec 1900 Zinc Phosphate Primer

Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<50
Formaldehyde (mg/kg)	GB 18582-2008	57
Heavy Metal - Chromium (mg/kg)	GB 18582-2008	<5
Heavy Metal - Cadmium (mg/kg)	GB 18582-2008	<5
Heavy Metal - Mercury (mg/kg)	GB 18582-2008	<1
Heavy Metal - Lead (mg/kg)	GB 18582-2008	<5
Content of Zinc Phosphate (%)	Atomic Absorption Analysis	12.5
Viscosity (Krebs Unit)	ASTM D562-81 Procedure B	76
Fineness of Grind (µm)	BS 3900 : Part C6 : 2000	30
Adhesion	BS 3900 : Part E6 : 1992	Classification 1

Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants, loose materials and rust. High moisture causes paint defect. The moisture content of substrate should be less than 6% or 19 determined by Protimeter.

Metal: For optimum performance, abrasive blasting in accordance to Sa 2_{1/2} ISO 8501-1 :1988 is desirable. The surface to be coated must be clean and dry. Dry brushing should be sufficient to remove dirt. Where abrasive blasting is not possible, mechanical cleaning to St 3 ISO 8501-1 : 1988 standard is acceptable . For galvanized surfaces, thorough solvent degreasing to SSPC-SP1 is necessary and zinc salts can be removed by fresh water wash and scrubbing.

- ✧ **Ensure fresh air ingress while applying and before dry done**
- ✧ **High humidity and cool temperature will result in longer drying time**

Limitations

Avoid painting when the temperature is out of 5°C ~35°C or the humidity is over 85%. Do not paint when raining and rain is expected during painting or drying process.

Clean Up

Wash painting tools with water immediately after use

Safety Information

Keep out of reach of children. If medical advice is needed, get the product container or label at hand for easy reference.

Be aware of sanding dust / spray mist. Protective gloves, eye or face protection are highly recommended. Keep away from sparks, heat, open flames and any other ignition sources.

Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed.

In case of eye contact, rinse immediately with plenty of water. For splashed skin, clean thoroughly with soap and water. Seek medical attention if indication persists.

If you experience difficulties on breathing, leave applied area and obtain fresh air. If difficulties continue, immediately get medical attention.

Product must always be stored in a ventilated, cool and dry place.

Tightly close product container after each use.

Flash Point and Ignition Point

Flash Point: N/A

Note: The information given applies to the product and its performance under specific test condition. Due to the varied circumstances beyond our control under which the product may be applied, for specific applications, please contact Nippon Paint Project Sales Department. We reserve the right to modify our product specification without prior notice.

For further enquiries, please call:

Nippon Paint (H.K.) Co., LTD

Tel: (852) 2699 9333

Fax: (852) 2602 8844

Website: <http://www.nipponpaint.com.hk>

General Description

Nippon Paint 9000 Enamel Finish is a water-based enamel paint. It is formulated to be used on wood and metal. It has excellent hiding power, fungus resistance and weathering resistance. Comparing to traditional alkyd solvent-based coating, Aquatec 9000 Enamel Finish is more environmentally friendly. Anti-corrosion property will be enhanced when using with an anti-corrosion primer.

Features

- Low VOC & odour
- Environmentally friendly
- Easy application
- Quick drying
- Anti-corrosion protection
- Tough and durable film
- Excellent adhesion
- Good flow
- Smooth finish
- Weathering resistance to UV exposure and rain
- Fungus resistance
- Water resistance
- Non-yellowing
- Excellent hiding power

Recommended For

- Primed wood and metal surfaces
 - Doors
 - Railings
 - Grilles
 - Machinery
 - Furniture
 - Pipes
 - Metal beams
 - Frames
 - Fabricated metal

General Information

Colour:	White, black, standard colours as per colour card and 318 computerized colours	Drying time: (at 25°C)	Surface dry: 1 hr Hard dry: 4 hrs
Type:	Water-based modification of acrylic copolymer formulated enamel paint	Overcoat Time: (at 25°C)	≥ 24 hrs
Finishes:	Gloss	Full Curing (at 25 °C)	7 days
Application Method:	Brush / Roller / Air spray	Specific Gravity: (at 20°C)	1.2~1.4±2%
Theoretical Cover age:	13~15 m ² /L/coat	Solid Content: (by volume)	53.08%
Dilution:	No, If necessary, using Max. 15% clean water	Packing:	5L / 18L
Dry Film Thickness:	30µm	Shelf Life:	24 months in sealed original packaging stored at room temperature and shaded place.

Nippon Paint Aquatec 9000 Enamel Finish

Technical Data

Test	Test Method	Result
VOC Content (g/L)	USEPA Method 24	<10
Preliminary Examination of Paint	BS 3900 : A2 : 1993 ISO 1513 : 1992	No surface skin, gelling, colour separation, hard settling or extraneous matter
Viscosity (Krebs Unit)	ASTM D562-01 Method A Procedure B	77
Opacity (Contrast ratio %)	BS 3900 : D4 : 2006	97
Fineness of grind (µm)	BS 3900 : C6 : 2000 ISO 1524 :2000	20
Specular Gloss (60°)	BS 3900 : D5 : 1997 (AMD10590) BS EN ISO 2813 : 2000	74
Bend Test	BS 3900 : E1 : 2002	No coating crack at 3mm mandrel
Accelerated Weathering Test (300 hours)	ASTM G154-06	No signs of checking, blistering or cracking, 94% gloss retention and 4-5 grey scale after test
Scratch Test (g)	BS EN IOS 1518-1 : 2011	1800

Recommended Painting System

Sealer/Primer: One coat of Aquatec 1900 Zinc Phosphate Primer (Metal)
One or two coats of Nippon Paint Aquatec Wood White Primer (Wood)
Top Coat: Two coats of Aquatec 9000 Enamel Finish

Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants, loose materials and rust. High moisture causes paint defect. The moisture content of substrate should be less than 6% or 19 determined by Protimeter. pH <10 is required for timber.

Metal: For optimum performance, abrasive blasting in accordance to Sa 2_{1/2} ISO 8501-1 :1988 is desirable. The surface to be coated must be clean and dry. Dry brushing should be sufficient to remove dirt. Where abrasive blasting is not possible, mechanical cleaning to St 3 ISO 8501-1 : 1988 standard is acceptable . For galvanized surfaces, thorough solvent degreasing to SSPC-SP1 is necessary and zinc salts can be removed by fresh water wash and scrubbing.

Timber: Prepare by sanding to establish a smooth and clean surface, then applying a suitable filler coat. This filler coat must be allowed to dry properly before sanding is performed to level out any irregularities of the applied surface. Before painting, the surface must be clean, free from dust any foreign matter.

Clean Up

Wash painting tools with water immediately after use.

Safety Information

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Tightly close product container after each use.

Flash Point and Ignition Point

Flash Point: N/A
Ignition Point: N/A

Nippon Paint Aquatec 9000 Enamel Finish

- ✧ **Ensure fresh air ingress while applying and before dry done**
- ✧ **High humidity and cool temperature will result in longer drying time**

Limitations

Avoid painting when the temperature is below 5°C or the humidity is over 85%. Do not paint when raining and rain is expected during painting or drying process.

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