

### General Description

Nippon Paint ZF-F304 Epoxy Sealer is a two-component solvent-free amine-adduct cured epoxy sealer designed for application on concrete floor surfaces, it provides good adhesion to the substrate. It is suitable as a tie coat between floor substrate and solvent-free / water-based topcoat. This product is also certified with "CIC Green Product Certification".

### Features

- Eco-friendly
- Excellent adhesion
- Optimum level of penetration

### Recommended For

- Interiors
  - Factory
  - School
  - Hospital
  - Heavy traffic logistic warehouse
  - Park
  - Car park
  - Access ramp

### Certification



Licence Number: CIGGPC-L-21140(P&C)

### General Information

Colour:	Tea clear	Drying time: (at 20°C)	Touch dry: 4 hrs Hard dry : 18 hrs
Type:	Two-pack solvent-free amine-adduct cured epoxy floor sealer	Overcoat Time: (at 20°C)	18 hrs to 10 days
Finishes:	Gloss	Full Curing: (at 20°C)	7 days
Application Method:	Trowel / Roller	Specific Gravity: (at 20°C)	>1.0
Theoretical Coverage:	0.2-0.3 kg/m <sup>2</sup> /coat	Solid Content:	>90 % (Mixed)
Dilution:	No	Packing:	16 kg/set (Base: 12 kg / Hardener : 4 kg)
Mixing Ratio: (by weight)	Base : Hardener = 3 : 1	Shelf Life:	24 months in sealed original packaging stored at room temperature and shaded place..
Dry Film Thickness:	100µm	Pot Life: (at 20°C)	40 minutes (Used up the mixed paint within the pot life time)

# Nippon Paint ZF-F304 Epoxy Sealer

## Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<100
Formaldehyde (%)	ASTM D5910-05 (2012)	0.004
Plasticisers Content (%) (DBP, BBP, DEHP, DINP, DNOP, DIDP)	CPSC-CH-C1001-09.3	ND
Heavy Metal (%) (Lead, Cadmium, Hexavalent Chromium, Mercury, Barium)	ISO 3856-1,4,5,7,3 : 1984	Lead: ND Cadmium: ND Hexavalent Chromium: ND Mercury: ND Barium: .0.006%
Ozone Depleting substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	ND

\*ND = Not Detected

### Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants and loose materials.

- Concrete : Concrete should be cured for 28 days. It should be cleaned by abrasive blasting or be mechanically abraded to remove laitance. Resultant dust and debris should be removed by sweeping or vacuum cleaning devices.
- Strength of concrete: For the compressive strength and tensile strength of the concrete surface, they should be larger than 25 MPa and 1.5Mpa respectively.
- Defect: For cracks, hollowing or other defects, repair with appropriate method and materials for renovation.
- Moisture: High moisture causes paint defect. The moisture content of substrate should be less than 8%. All water seepage must be checked and rectified.
- pH Value: pH value should be less than 10.
- Fungus: Remove by high-pressure wash & treat with Nippon Anti-Fungus Solution
- Oil/Grease: Clean off with mild detergent and a little solvent. Wash thoroughly to remove all trace.

✧ Ensure fresh air ingress while applying and before dry done

✧ High humidity and cool temperature will result in longer drying time

### Paint Preparation

Base and hardener should be mixed thoroughly and stirred continuously for 5 mins before application.

### 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.

# **Nippon Paint ZF-F304 Epoxy Sealer**

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## **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 - Base: 100°C

Flash Point - Hardener: 53°C

Ignition Point - Base: N/A

Ignition Point - Hardener: 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 EPW Floor Finish is a two-component high performance water-based modified epoxy floor coating which has dust / dirt resistance and provides an optimum level of anti-abrasion performance for light-duty service. It gives a low gloss decorative finish and optimum protection for floor concrete surface. This product is also certified with “CIC Green Product Certification”.

### Features

- Eco-friendly
- Excellent adhesion
- Optimum level of penetration

### Recommended For

- Interior / Semi-exposed area

### Certification



Licence Number: CIGGPC-L-21138(P&C)

### General Information

Colour:	Standard colours as per colour card and special colours on request.
Type:	Two-pack water-based modified epoxy floor coating
Finishes:	Low gloss
Application Method:	Roller
Theoretical Coverage:	0.15 kg/m <sup>2</sup> /coat
Dilution:	Max 5% clean water
Mixing Ratio: (by weight)	Base : Hardener = 1 : 1.
Dry Film Thickness:	50µm

Drying time: (at 25°C)	Touch dry: 1 hrs, Dust free: 10 hrs
Overcoat Time: (at 25°C)	≥24 hrs
Full Curing: (at 25°C)	7 days
Specific Gravity: (at 25 °C)	~1.0 (Mixed)
Solid Content:	>35% (Mixed)
Packing:	32 kg/set (Base : 16 kg / Hardener : 16 kg)
Shelf Life:	12 months in sealed original packaging stored at room temperature and shaded place.
Pot Life: (at 25°C)	20 mins (Used up the mixed paint within the pot life time)

## Nippon Paint EPW Floor Finish

### Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<10
Formaldehyde (%)	ASTM D5910-05 (2012)	ND
Plasticisers Content (%) (DBP, BBP, DEHP, DINP, DNOP, DIDP)	CPSC-CH-C1001-09.3	ND
Heavy Metal (%) (Lead, Cadmium, Hexavalent Chromium, Mercury, Barium)	ISO 3856-1,4,5,7,3 : 1984	Lead: ND Cadmium: ND Hexavalent Chromium: ND Mercury: ND Barium: .0.02%
Ozone Depleting substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	ND

\*ND = Not Detected

### Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants and loose materials.

Concrete :	Concrete should be cured for 28 days. It should be cleaned by abrasive blasting or be mechanically abraded to remove laitance. Resultant dust and debris should be removed by sweeping or vacuum cleaning devices.
Strength of concrete:	For the compressive strength and tensile strength of the concrete surface, they should be larger than 25 MPa and 1.5Mpa respectively.
Defect:	For cracks, hollowing or other defects, repair with appropriate method and materials for renovation.
Moisture:	High moisture causes paint defect. The moisture content of substrate should be less than 20%. All water seepage must be checked and rectified.
pH Value:	pH value should be less than 9.
Fungus:	Remove by high-pressure wash & treat with Nippon Anti-Fungus Solution
Oil/Grease:	Clean off with mild detergent and a little solvent. Wash thoroughly to remove all trace.

❖ Ensure fresh air ingress while applying and before dry done

❖ High humidity and cool temperature will result in longer drying time

### Paint Preparation

Base and hardener should be mixed thoroughly and stirred continuously for 3 mins before application.

### Limitations

Avoid painting when the temperature is below 5°C or the humidity is over 75%. Do not paint when raining and rain is expected during painting or drying process.

### Note

Recoating should be done before fully cured.

### Clean Up

Wash painting tools with water immediately after use.

# **Nippon Paint EPW Floor Finish**

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## **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 - Base: N/A

Flash Point - Hardener: N/A

Ignition Point - Base: N/A

Ignition Point - Hardener: 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.

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