

## General Description

Nippon Paint QB-232 Extra Sealer is a water-based acrylic sealer which is formulated to prevent deterioration of top coat by strong concentration of cement chemicals and provides a better surface condition for top coat to adhere on. It also gives a good protection for interior and exterior surfaces and is certified with “CIC Green Product Certification”.

### Recommended For

- Interiors and exteriors
  - Cement plaster
  - Concrete
  - Quality skim coat

## Features

- Excellent adhesion
- Quick drying
- Excellent alkali resistance
- Efflorescence resistance

### Certification(s)



**CIC GREEN**  
PRODUCT CERTIFICATION

**Licence Number: CICGPC-L-21132(P&C)**

## General Information

Colour:	White	Drying time: (at 25°C)	Touch dry: 30 mins
Type:	Modified acrylic copolymer	Overcoat Time: (at 25°C)	2 hrs
Finishes:	Matt	Full Curing (at 25 °C)	7 days
Application Method:	Brush / Roller / Airless spray	Specific Gravity: (at 25 °C)	>1.0
Theoretical Coverage:	12.0 m²/L/coat	Solid Content:	>45%
Dilution:	Brush/Roller - max 30% water (Internal) - max 20% water (External) Spray - max 20% water (Internal) - max 10% water (External)	Packing:	18L
Dry Film Thickness:	30µm	Shelf Life:	36 months in sealed original packaging stored at room temperature and shaded place.

## Nippon Paint QB-232 Extra Sealer

Technical Data		
Test	Test Method	Result
VOC Content (g/L)	USEPA Method 24	<50
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	ND
Ozone Depleting substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	ND
Low Temperature Stability @ -5°C	JIS K5660: 2008 7.7	There is no change in quality
Workability	JIS K5660 : 2008 7.5	There is no obstacle to apply materials twice by brush
Adhesion Test	BS 3900 : E6 : 1992	Classification: 0
Water Resistance (96 hrs)	JIS K5400-1990 8.19	No abnormalities on the film surface
Alkaline Resistance (48 hrs) (Saturated Calcium Hydroxide)	JIS K5400-1990 8.21	No abnormalities on the film surface

\*ND = Not Detected

## Nippon Paint QB-232 Extra Sealer

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### Surface Preparation

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

- Dirt/Powder: High-pressure wash (External). Clean with damp cloth (internal). Mild detergent may be used.
- Paint: Remove unstable or old film by high-pressure wash, or scraper whichever is appropriate.
- Plaster: Remove by chisel or power grinder. Replaster to unstable surface with an approved mortar mixture.
- Moisture: High moisture causes paint defect. The moisture content of substrate should be less than 6% or 19 determined by Protimeter. 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 Paint 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**

### 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.

### Clean Up

Wash painted 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

Ignition 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 Eco-Guard Interior Emulsion Paint is an ultra-premium and eco-friendly interior emulsion paint with undetected VOC, water vapour transmission, retardation of flame spread and anti-bacterial function (Escherichia coli, Staphylococcus aureus and MRSA). It also provides excellent hiding power, dirt resistance, water resistance, humidity resistance, wet scrub resistance, alkaline resistance and fungus resistance, giving the most outstanding and all-rounded performances and protections for interiors. This product is certified with “CIC Green Product Certification”.

### Features

- Undetected VOC
- Permeable for water vapour
- Odourless
- Anti-bacteria
- Fire-retardant property
- Excellent alkaline resistance
- Water resistance
- Humidity resistance
- Dirt resistance
- Fungus resistance
- Wet scrub resistance
- Excellent adhesion
- Excellent hiding power
- Cover hairline cracks
- Long lasting colour
- Non-yellowing
- Smooth finish
- Quick drying
- Good durability
- Easy application

### Recommended For

- Interior masonry surfaces
- Hotels
  - Schools
  - Residential buildings
  - Commercial buildings
  - Industrial buildings

### Certification(s)



**CIC GREEN**  
PRODUCT CERTIFICATION

Licence Number: CICGPC-L-21135(P&C)

### General Information

Colour:	White and Nippon Paint 1988 colour creations	Drying time: (at 25°C)	Touch dry: 10 mins Hard dry: 30 mins
Type	Acrylic Resin	Overcoat Time: (at 25°C)	2 hrs
Finishes:	Matt	Full Curing (at 25 °C)	7 days
Application Method:	Brush / Roller / Airless spray	Specific Gravity: (at 25 °C)	~1.45
Theoretical Coverage:	13.3 m <sup>2</sup> /L/coat	Solid Content: (by weight)	~56%
Dilution:	Brush / Roller / Spray – Max 20% clean water	Packing:	18L
Dry Film Thickness:	30µm	Shelf Life:	36 months in sealed original packaging stored at room temperature and shaded place.

## Nippon Paint Eco-Guard Interior Emulsion Paint

Technical Data		
Test	Test Method	Result
VOC Content (g/L)	BS EN ISO 11890-2 : 2013	Not detected
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: .0002
Ozone Depleting Substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	ND
Hiding Power (Contrast Ratio %)	BS EN ISO 2814 : 2006	94
Flexibility (Bend Test)	BS 3900 : E1 : 1995	Pass at 3-mm mandrel. No cracking and no detachment of the coating from the substrate
Adhesion	BS 3900 : E6 : 1992	Class 1
Wet Scrub Resistance (1000 cycles)	ASTM D 2486-06 Method A	Pass
Water Resistance (96 hrs)	JIS K5660 : 2008 7.11	No abnormalities on the film surface
Humidity and Cool-Heat Resistance (10 cycles)	JIS K5660 : 2008 7.14	No abnormalities on the film surface
Water Vapour Transmission (Sd, m)	EN ISO 7783	0.095m

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## Nippon Paint Eco-Guard Interior Emulsion Paint

### Technical Data

Test	Test Method	Result
Alkaline Resistance (7 days)	JIS K 5660 : 2008 7.12	No abnormalities on the film surface
Fungus Resistance (7 days)	ASTM G21-15	Rating 0
Surface Spread of flame	BS 476: Part 7 : 1997 Incorporating Corrigendum No.1 : 2014	Class 1
Dirt Resistance	Ref.JIS K5600 : 2008	Grey Scale : 5
Antibacterial activity (Antibacterial rate %) (Escherichia coli, Staphylococcus aureus, MRSA)	Ref. HG/T 3950-2007	>99.9

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# **Nippon Paint Eco-Guard Interior Emulsion Paint**

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