

FEATURES

Nippon Paint Aqua Epoxy is a water-based epoxy topcoat, two-component type, designed for interior concrete floors and walls. Suitable for areas requiring a low-odor epoxy coating with low hazardous VOCs, such as office and commercial buildings, hospitals, shopping malls, educational institutions, residential buildings, and bathrooms. Provides excellent adhesion to concrete substrates.

- Excellent abrasion and impact resistance
- Outstanding resistance to chemicals, solvents, moisture, and common household liquids
- High-gloss finish with easy-to-clean surface
- Low odour and non-added lead or mercury
- Inhibits the growth of bacteria and fungi
- Suitable for concrete floors and walls subject to light to medium service loads
- Available on Colour Creation Machines (CCM)

PRODUCT INFORMATION

Paint type	Epoxy water-based paint
Product type	Interior
Film appearance	Gloss
Color	Various colors see in color cards
Grade	Heavy Duty Coatings
Recommended substrate	Concrete, Fibercement and Ceramic tile
Pack size	3.785 Litres per set

TECHNICAL INFORMATION

Theoretical coverage	10	m ² per litre per coat (at dry film thickness 50 micron)
	6.3	m ² per litre per coat (at dry film thickness 80 micron)
Practical coverage	8.0	m ² per litre per coat (at dry film thickness 50 micron)
	5.0	m ² per litre per coat (at dry film thickness 80 micron)
These values are calculated based on the above theoretical coverage and a loss factor of 20%. The actual loss factor for a particular job may vary depending on the application condition, method and technique; surface condition; as well as the structure and dimension of the object to be coated.		
No. of coat	2	coats
Specific gravity	1.22-1.28	(Mixed)
Solid by volume	50±5	%
VOC (EPA Method 24)	40-50	g/L
Wet film thickness	100-160	microns
Dry film thickness	50-80	microns
Touch dry (25-30°C)	Approx.. 4	hrs.
Recoat dry (25-30°C)	Approx.. 12	hrs.
Full cure (25-30°C)	7	days

REFERENCE STANDARD

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APPLICATION

Applicator	Brush, Roller , Spray and Airless spray	
Guiding data for airless spray		
Tip size	0.015-0.023	inch
Delivery pressure	140-170	Bar
Diluted by	Water	
Dilution (%)	Dilute the paint with 5-10% of water when apply with Airless spray, Brush and Roller.	

Mixing ratio (Part A : Part B)	4:1 by volume
Pot life	1 hrs at 25-30 °C
SURFACE PREPARATION	
Cement old surfaces	<p>Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. (avoid wire brush)</p> <p>Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty.</p> <p>Treat any areas affected by fungus growth by scrubbing and allowing the surface to dry completely before painting then apply with Nippon Paint Vinilex Bio Wash 1 coat and leave it until dry.</p>
Cement new surfaces	<p>Ensure that the surface is clean and dry it must be free from dirt, greases and other foreign matters.</p> <p>Allow all surfaces to dry completely prior to painting. (At least 28 days)</p> <p>Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 14% measured by protimeter, below 6% by Kett model HI-520 and alkalinity of the walls to be below pH 8.)</p> <p>Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty.</p>
Other surfaces	The surface should be cleaned and free from contamination according to each substrate.
PAINT SYSTEM	
Primer for cement old surfaces	Nippon Paint Aqua Epoxy Primer 1 coat
Primer for cement new surfaces	Nippon Paint Aqua Epoxy Primer 1 coat
Primer for ceramic tile	Nippon Paint Tile Primer 1 coat
Top coat	Nippon Paint Aqua Epoxy 2 coats
<small>Note: In case of vivid and intense color shade, a lighter shade is recommended to apply in the first coat for a good hiding result.</small>	
HANDLING AND STORAGE	
Storage condition	<p>The product must be stored in a dry, well-ventilated space and keep the container tightly closed.</p> <p>When transporting paint, the product should separately from others. Not recommended to place the product outdoor or exposed to the sun directly and must separately be stored between enamel paint and thinner, which is a flammable substance.</p>
Precipitation	<p>Place the product for a long time may lead the pigment to precipitate at the bottom of the container and can deteriorate over time when not stir product to a homogeneous by using suitable tools, such as an electric drill, air drill, or a stirrer. Therefore, should stir the product to the homogeneous phase before use. If not, the product will cause paint problems e.g. low hiding power or non-equal color shade.</p>
Shelf life	24 months at 25-30 °C
ENVIRONMENTAL CONDITION	<p>The relative humidity during application should not exceed 85% or when the surface to be painted is more than 3°C above the dew point. Generally, the temperature of surface to be painted should be more than 5 °C and not exceed 50°C.</p>
SAFETY PRECAUTIONS	<p>Precautionary notices are displayed on the container. Use product under well-ventilated area. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet.</p>
DISCLAIMER	<p>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 quality of the product itself.</p> <p>We reserve the right to alter the given without prior notice.</p>
NOTE	The data are average values for reference only. However, the actual value depends on environmental conditions.