

FEATURES

Nippon Paint Tile Primer is two component water thinned epoxy primer barrier coating designed as a universal primer coating for many types of substrate, such as ceramic tiles and smooth concrete floor. It is also suitable for use as a barrier / tie coat between ideal single pack coating e.g. Nippon Paint Aqua Epoxy and two pack solvent based top coats.

- Low odour and environmental friendly.
- Excellent adhesion on many type of substrate.

PRODUCT INFORMATION

Paint type	Epoxy water-based paint
Product type	Interior / Exterior (Depending on top coat)
Film appearance	Matt
Color	White
Grade	Heavy Duty Coatings
Recommended substrate	Concrete and Ceramic tile
Pack size	2.5 Litres per set (2.2 litres of base and 0.3 litres of hardener)

TECHNICAL INFORMATION

Theoretical coverage	13.1	m ² per litre (at dry film thickness 35 micron)
	11.5	m ² per litre (at dry film thickness 40 micron)
Practical coverage	10.5	m ² per litre (at dry film thickness 35 micron)
	9.2	m ² per litre (at dry film thickness 40 micron)
These value 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	1	coats
Specific gravity	1.45-1.65	(Mixed)
Solid by volume	46±5	%
Wet film thickness	75-85	microns
Dry film thickness	35-40	microns
Touch dry (25-30°C)	1	hr.
Recoat dry (25-30°C)	Min. 8	hrs. (Not over 6-7 days)

Full cure (25-30°C) 7 days

REFERENCE STANDARD

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APPLICATION

Applicator	Brush, Roller (short hair roller is recommended), Spray, and Airless spray (Should be cleaned with water rapidly after use.)	
Guiding data for airless spray		
Tip size	0.015-0.023	inch
Delivery pressure	140-170	Bar
Diluted by	Water	
Dilution (%)	Normally no thinning is required for brush and roller application. Thin up 25-30% If application is by conventional spray. When airless spray is being used, excessive high tip spraying pressure should be avoided. The minimum pressure at the pump conducive with good atomization should be used.	
Mixing ratio (Part A : Part B)	7:1 by volume	
Pot life	1 hrs. at 25-30 °C	

SURFACE PREPARATION

Cement old surfaces	Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. (avoid wire brush) Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty. 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.
Cement new surfaces	Ensure that the surface is clean and dry it must be free from dirt, greases and other foreign matters. Allow all surfaces to dry completely prior to painting. (At least 28 days) 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.) Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty.
Other surfaces	The surface should be cleaned and free from contamination according to each substrate.

PAINT SYSTEM

Primer for concrete	NIPPON PAINT TILE PRIMER 1 coat
Primer for ceramic tile	NIPPON PAINT TILE PRIMER 1 coat
Top coat	Interior: Nippon Paint Aqua Epoxy 2 coats or HI-PON 40-04 EPOXY TOP COAT 2 coats. Exterior: HI-PON 50-01 POLYURETHANE TOP COAT 2 coats. 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.

HANDLING AND STORAGE

Storage condition	The product must be stored in a dry, well-ventilated space and keep the container tightly closed. 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.
Precipitation	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.
Shelf life at 25-30 °C	24 months

**ENVIRONMENTAL
CONDITION**

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.

SAFETY PRECAUTIONS

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.

DISCLAIMER

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.

We reserve the right to alter the given without prior notice.

NOTE

The data are average values for reference only. However, the actual value depends on environmental conditions.