

FEATURES

Water Repellent is a solvent-based primer based on silane / siloxane mixture. It serves as high quality primer for exterior concrete protection and also can be used as an impregnating agent for masonry substrate. It can reduce the capillary absorption of construction materials without blocking their pores and capillaries. Therefore, it does not affect the diffusion permeability. As a result, water vapor can escape unhindered from the masonry, and any damp can dry out

- Excellent depth of penetration, creating a broad water repellent zone beneath the topcoat
- Excellent resistance to alkaline and efflorescence - the hydrophobic zone prevents salt, water and alkaline being transported from within the wall to the surface
- Good water - vapour permeability, does not affect the breathing behavior of the substrates
- Prevent damage caused by Chloride - induced reinforcement corrosion
- Good recoatability , increase paint adhesion □ Substrate reinforcement by digital network formation

PRODUCT INFORMATION

Paint type	Silane/Siloxane Solvent based
Product type	Exterior and
Film appearance	Clear
Colour	-
Recommended substrate	Masonry wall, plaster concrete, brick, fiber cement, pavement, clay tile, brick, stone with natural texture
Pack size	1 Gallon

TECHNICAL INFORMATION

Theoretical coverage	38-45	m ² per gallon per coat
	(Actual coverage is dependent on substrate condition and application method)	
No. of coat	2	coats
Solid by volume	-	%
Solid by weight	-	%
Touch dry (25-30°C)	2	hours
Recoat dry (25-30°C)	5	hours
Full cure (25-30°C)	7	days

APPLICATION

Application Method	Brush, Roller or Spray
Diluted by	-
Dilution (%)	No dilution

SURFACE PREPARATION

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 before coating

PAINT SYSTEM

Clear coat	Apply Nippon Paint Water Repellent W245 2 coats
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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

2 years at 30-35 °C

SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. During use, the product must keep away from the source of ignition and no smoking. 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.