

FEATURES

Nippon Paint SmartFlex is a multi-purpose, water-based primer formulated with an elastomeric styrene acrylic polymer, providing exceptional flexibility with over 600% elongation. Suitable for both interior and exterior applications, it is specially designed to help prevent and bridge hairline cracks while effectively concealing imperfections on concrete surfaces.

- Excellent flexibility up to 600% for crack bridging
- Water and dirt resistance to prevent the bubbling problem.
- Enhances adhesion between the topcoat and the substrate
- Resistance against fungus and algae
- Resists alkali and efflorescence stains
- Low odor and non-added lead or mercury

PRODUCT INFORMATION

Paint type	100% Acrylic emulsion paint
Product type	Exterior and Interior
Film appearance	Matt
Colour	White
Grade	Premium
Recommended substrate	Wall sealer for old walls (less chalky and powdery) and new walls, e.g., old wall masonry, plastering with high moisture content, precast, GRC, concrete, brick, fiber cement board, etc.
Pack size	1 gallon, 2.5 gallons and 5 gallons

TECHNICAL INFORMATION

Theoretical coverage	8 - 10	m ² per liter per coat
	30 - 38	m ² per gallon per coat
	(Actual coverage is dependent on substrate condition and application method)	
No. of coat	1 - 2	coats
Solid by volume	40 - 45	%
Solid by weight	55 - 60	%
VOC	< 11	g/L
Wet film thickness	100 - 120	microns
Dry film thickness	40 - 50	microns
Touch dry (25-30°C)	30	minutes
Recoat dry (25-30°C)	2	hours
Full cure (25-30°C)	7	days

REFERENCE STANDARD

TIS 1123-2555 (Plaster primer)	✓	Pass
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APPLICATION

Application Method	Brush, Roller or Spray
Diluted by	Clean water
Dilution (%)	Dilute the paint with 5-10% by volume and mix thoroughly.

SURFACE PREPARATION

Old Surface	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 Wall Filler. 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.
New Surface	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 and uneven surfaces with high-quality materials or decorate the surface appropriately before applying the paint.

PAINT SYSTEM

New Wall Primer	Nippon Paint SmartFlex 1-2 coats
Top Coat	For exterior; Nippon Paint Weatherbond 2-3 coats. For Interior; Nippon Paint AirCare 2-3 coats. **For deep tone, recommend applying the first coat with a lighter tone for good hiding performance.

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	5 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.