

General Description

Nippon Paint Yawa Silicone is a water-based elastic paint formulated with silicone resin. It has excellent hiding power, good adhesion, alkali resistance, anti-carbonation, fungus resistance, weathering resistance, water resistance and dirt resistance, providing excellent performances and all-round protections for exteriors.

Features

- Elastic
- Excellent hiding power
- Good adhesion
- Alkali resistance
- Anti-carbonation property
- Fungus resistance
- Weathering resistance
- Water resistance
- Dirt resistance

Recommended For

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

General Information

Colour:	Standard colours	Drying time: (at 20°C)	Touch dry: 1 hr Dust free: 2 hr
Type	Water-based modified silicone resin	Overcoat Time: (at 20°C)	≥ 6 hrs
Finishes:	Matt	Full Curing (at 25 °C)	7 days
Application Method:	Porous roller / Wool roller	Specific Gravity: (at 20 °C)	1.32 ± 0.03
Theoretical Coverage:	0.14~0.18 kg/m ² /coat	Solid Content: (by volume)	52%
Dilution:	5~10% clean water	Packing:	20 kg
Dry Film Thickness:	30 μm	Shelf Life:	36 months in sealed original packaging stored at room temperature and shaded place.

Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<50
Hiding Power	JIS K5660 : 2008 7.9	1
Low Temperature Stability	JIS A6909-1995 Cl 6.6	No lump and free from separation and aggregation of the composing materials.
Adhesion Strength (N/cm ²) (Standard Condition)	JIS A6909-1995 Cl 6.10	167.48
Adhesion Strength (N/cm ²) (Immersion in water)	JIS A6909-1995 Cl 6.10	115.06
Repeated Warming and Cooling Test (10 cycles)	JIS A6909-1995 Cl 6.11	No peeling, cracking, blistering, remarkable discolouration and degradation in luster on the surface.
Weather Resistance (250 hours)	ASTM G154-12a	No cracking or peeling was occurred and discolouration is No.4-5 in grey scale
Resistance to Humid Atmosphere Containing Sulphur Dioxide (12 cycles)	BS EN ISO 3231 : 1998	No blistering, loss of adhesion, rust staining, change of colour, embrittlement and other signs of deterioration.
Anti-Carbonation Test (R, m)	EN 1062-6	329
Water Vapour Diffusion Resistance (Sd (m))	EN ISO 7783	≤4
Water Permeability	ASTM E514	No Leakage
Sound Reduction (dB)	BS EN ISO 140-3 : 1995	6 dB
Resistance to Mild Acids	ASTM D1308	No discernible change
Resistance to Mild Alkali	ASTM D1308	No discernible change
Fungus Resistance	BS 3900 : G6 :1989	No growth (The rating is 0)

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Recommended Painting System

Sealer/Primer: One coat of Ultra Sealer III

Top Coat: Two coats of Yawa Silicone

Surface Preparation

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

Dirt/Powder:	High-pressure wash.
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 painting 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:

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