

FEATURES

Nippon Paint Metallic Paint is a thermoplastic acrylic that provides metallic finishing. Varies used on various surfaces e.g. cement, wood and metal.

- Good appearance and metallic finishing
- It can be used as an intermediate and top coat
- Weather resistant
- Fast dry
- Available on Colour Creation Pro Series (CCPRO)

PRODUCT INFORMATION

Paint type	Thermoplastic acrylic
Product type	Interior and Exterior
Film appearance	Metallic Gloss
Colour	Various colours (see in the catalog)
Grade	Heavy Duty Coatings
Recommended substrate	Cement, Wood and Steel
Pack size	1 Litre / 5 Litres

TECHNICAL INFORMATION

Theoretical coverage	6 - 9	m ² per litre per coat
Practical coverage	5 - 8	m ² per litre per coat
	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	≥ 2	coats
Specific gravity	0.91 - 0.97	
Solid by volume	30 ± 5	%
Wet film thickness	115 - 130	microns
Dry film thickness	35 - 40	microns
Touch dry (25-30°C)	15	mins
Recoat dry (25-30°C)	≥ 2	hours
Full cure (25-30°C)	7	days

REFERENCE STANDARD

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APPILCATION

Applicator	Air spray, Airless spray (in case air spray and air compressor cannot be used for application), Roller, or Brush.
Diluted by	Hi-Pon Acrylic Thinner or Hi-Pon Acrylic SD Thinner

Dilution (%)	<p>Thinning is necessary for proper workability. Use approximately 10% thinner by volume when applying with a brush or roller, 20 - 30% when using a compressed air spray, and 30 - 40% when using a compressed airless spray.</p> <p><u>Note:</u></p> <ol style="list-style-type: none"> 1. In case spraying is not possible, application by roller or brush may result in uneven distribution of metallic flakes, leading to reduced gloss and metallic sparkle. 2. When spraying metallic paint with an airless spray gun, maintain a distance of about 1 meter from the surface to ensure even dispersion of the metallic pigments and prevent reduction of gloss and metallic effect. 3. If a clear coat is to be applied over metallic paint, spraying is the only recommended method.
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SURFACE PREPARATION

	All surfaces should be clean dry, and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent
Metal	<p><u>Abrasive Blast Cleaning</u></p> <p>Abrasive blast cleaning to Sa 2½ (ISO 8501-1) or SSPC-SP10. For optimum performance, blast cleaned to SSPC-SP10. Surface defect revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner.</p> <p><u>Hand or Power Tool Preparation</u></p> <p>Hand or power tool clean to a minimum St2 (ISO 8501-1) or SSPC-SP2. Note, all scale must be removed and areas which cannot be prepared adequately by chipping or needle gun should be spot blasted to a minimum standard of Sa 2 (ISO 8501-1) or SSPC-SP6.</p>
Old surface of cement	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.
New surface of cement	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.
Wood	Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sand paper, then clean off and dry.

PAINT SYSTEM

Primer for metal surface	Hi-Pon 20-04 STE 80 1 - 2 coats.
Primer for cement surface	Hi-Pon 40-02 Epoxy Top Coat 1 coat.
Top coat	Nippon Paint Metallic Paint 2 - 3 coats.

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	24 months at 25-30 °C
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.