

General Description

Nippon Paint NP777 High Elasticity Waterproof Rooftop Coat is a single-component waterproofing coating formulated from environmentally friendly water-based polymer emulsion, functional fillers, and additives. This product is specifically developed for rooftops with complex structures, featuring excellent resistance to high and low temperatures, UV exposure, and superior adhesion and elongation performance. The cured membrane is tough, walk-able, and non-sticky, making it ideal for waterproofing outdoor rooftops and external walls.

Recommended For

- Waterproofing for concrete roofs, tile roofs, terraces, and balconies.
- Waterproofing and moisture-proofing for various external wall surfaces.
- Waterproofing treatment and repair for metal roofs.

Features

- **High Elasticity:** Excellent elongation properties effectively resist cracks caused by substrate shrinkage and deformation.
- **Walk-able & Non-sticky:** Tough coating that allows for daily foot traffic and remains non-sticky after curing.
- **Weather Resistance:** Outstanding UV and weather resistance, suitable for long-term outdoor exposure.
- **Eco-friendly:** Water-based formula with low VOC and no added plasticizers, complying with environmental standards.
- **Easy Application:** Single-component, ready to use after mixing, ensuring high application efficiency.

General Information

Colour:	Muguet White / Elephant Grey	Drying time: (at 25°C)	48 – 72 hours
Type:	Water-based polymer emulsion	Overcoat Time (at 25 °C)	6 – 8 hours
Application Method:	Roller / brush	Specific Gravity: (at 25 °C)	1.25-1.45
Theoretical Coverage:	2.1 kg/m ² per 1mm	Solid Content: (by weight)	65.5-69.0%
Dilution	Mix thoroughly before Use. No dilution is necessary.	Packing:	5 kg / 20 kg
No. of layer	2 layers or above (Control the thickness of each layer within 0.8mm, with a total thickness of at least 1.5mm.)	Shelf Life:	12 months in sealed original packaging stored at room temperature and shaded place.

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Technical Data

Test	Test Method	Result
VOC Content (g/L)	USEPA Method 24	< 10g/L
Tensile Strength	ASTM D412-16	>1.7 Mpa
Elongation at break (%)	ASTM D412-16	>500%
Tensile Adhesion Strength	ASTM D4541-17	>1.5 Mpa
Water Absorption	ASTM D570-98	~0.1%

Recommended Application System

Sealer/Primer: One – two coats of Nippon Paint Waterproof Primer
Top Coat: Two or more coats of Nippon Paint NP777 High Elasticity Waterproof Rooftop Coat

Surface Preparation

Substrate Inspection: Before construction, ensure the substrate is solid, free of oil stains and other loose materials; clean surface dust thoroughly. Repair visible holes and cracks first. For loose substrates, remove them before repairing and leveling.

Moisten the Substrate: Fully moisten the substrate with clean water, and allow it to dry until there is no obvious residual moisture before starting.

Application Details

Mix thoroughly before use. No dilution with water is necessary.
Reinforcement Treatment: It is recommended to apply 1-2 layers of Nippon Paint Waterproof Primer first to seal fine cracks and holes.

Detail Reinforcement: Use polyester fleece with the coating for reinforcement at pipe roots and corners. For large area construction, it may be applied in conjunction with polyester fleece to enhance waterproofing performance. Waterproofing requires two or more layers; apply the next layer only after the previous one is completely dry. Use a cross-covering method with an interval of 6-8 hours. Control the thickness of each layer within 0.8mm, with a total thickness of at least 1.5mm. Apply evenly and avoid excessive thickness in a single application. Conduct water tightness tests only after the coating is completely dry (approx. 2-3 days).

- ✧ **Ensure fresh air ingress while applying and before dry done**
- ✧ **High humidity and cool temperature will result in longer drying time**

Limitations

Conduct work at temperatures between 5°C-35°C and relative humidity ≤85%. In low-temperature or high-humidity conditions, extend re-coating and curing times appropriately.

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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