

General Description

Nippon Paint NP Crystal Shield Waterproof Coating consists primarily of an innovative modified acrylic emulsion combined with various additives to create a transparent waterproof coating. It has excellent adhesion, good film-forming properties, and sealing capabilities. This product can be directly applied to tiles, cement mortar, and various types of paints, effectively reducing the risk of water infiltration while providing reliable waterproofing performance.

Recommended For

- Ideal for leak protection on surfaces such as concrete, paint, tiles, and metal panels on building exteriors or roofs.
- Repairs minor leaks (less than 0.5mm) in interior areas like window edges, windowsills, door frames, and terraces.
- Repairing water seepage in kitchen or bathroom tiles.

Features

- Modified acrylic that is resistant to surface whitening while maintaining its transparency.
- Powerful water resistance, effectively resolves a range of water seepage problems.
- High weather resistance and UV-resistant, not easily yellowed or chalked.
- Excellent crack resistance, against fine cracks from substrate deformation, ensuring durability.
- Strong adhesion, a strong bond with various substrate materials.
- Ready to use, good workability, can be applied by rolling or brushing.
- Water-based, safety and environmentally friendly.

General Information

Colour:	Clear	Drying time: (at 25°C)	1 – 3 hours
Type:	Acrylic Emulsion	Overcoat Time (at 25 °C)	2 – 3 hours
Application Method:	Roller / brush	Specific Gravity: (at 25 °C)	1.0 – 1.03
Theoretical Coverage:	300g /m ² / 3coats	Solid Content: (by weight)	32% - 34%
Dilution	Mix thoroughly before use. No dilution is necessary.	Packing:	1 kg / 5 kg
No. of layer	3 layers or above (The thickness of each layer should be controlled between 0.3 mm and 0.5 mm)	Shelf Life:	18 months in sealed original packaging stored at room temperature and shaded place.

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Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<10g/L

Surface Preparation

Substrate Inspection: Before application, ensure that the substrate is solid, free of oil stains and other loose materials. **Level the substrate:** Ensure the substrate is smooth. **Dry surface:** The substrate must be dry and free of visible moisture before application.

Application Details

Ready for use. No dilution is necessary. Waterproofing requires three or more layers, and the next layer should be applied only after the previous one has completely dried. The interval time is approximately 2 - 3 hours. Temperature, humidity, and ventilation at the construction site will directly influence the drying time of the waterproof layer. For corners, window frames and door frames, it is recommended to use brushing to ensure complete surface coverage and to apply multiple coats. The thickness of each layer should be controlled between 0.3 mm and 0.5 mm. Apply evenly, avoiding excessive thickness in a single application.

Application Details

Crack Repair: The first coat should be applied along the direction of the crack. **Window and Door Frame:** The first coat should be applied along the joint between different materials intersect. **Vertical Surface Application:** For substrates with low water absorption, the number of coats should be increased to ensure the thickness of the waterproof layer.

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

Limitations

Do not apply when the temperature is below 5°C or the humidity is over 85%. Avoid application 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