# NIPPON FLOORSHIELD PU WATERPROOFING MEMBRANE

**Product Description:**

**NIPPON FLOORSHIELD PU WATERPROOFING MEMBRANE** is a two component solvent free 100% solid elastomeric membrane based on delayed polyurea chemistry.

**Uses:**

**NIPPON FLOORSHIELD PU WATERPROOFING MEMBRANE** is to be used on primed exposed flat roof top.

**Benefits:**

- Solvent free thus no solvent smell
- Excellent waterproofing quality
- Resist cracks by being flexible & tough
- Excellent wetting of substrate
- Excellent adhesion for over-layment

**Physical Properties:**

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|---|---|
| **Solid Content** | :100% |
| **Density** | :1.3 kg/L |
| **Viscosity** | :approx. 100 mPas |
| **Packing Size** | : 5kg |
| **Colour** | :Off-White |
| **Shelf Life** | :12 months at 30C |

**Performance Properties:**

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|---|---|
| **Adhesion** | : Concrete cohesive failure at >1.5N/mm$^2$. |

**Application Properties:**

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|---|---|
| **Mixing Ratio (A:B)** | : 24:76 (by wt) |
| **Pot Life (30$^O$C)** | : 25 mins. |
| **Application Temperature** | : 15~35C |
| **Consumption** | : 0.5~1.3kg/m$^2$ per coat |
| **No. Of Coat** | : 1~2 dependant on substrate |
| **Recoat time** | : 12 hours |
| **Walk on time** | : 12 hours |
| **Cleaning Solvent** | : Nippon Polyurethane Recoatable Thinner |

Note: This theoretical coverage rate has been calculated from the volume solids of the material and is related to the amount of coating applied onto a perfectly smooth surface without wastage. For a practical coverage rate, due allowance should be made for atmospheric conditions, surface roughness, geometry of the article being coated, the skill of applicator, method of application etc. when estimating quantities required for a particular job.

**Recommendation For Use:**

**Surface Preparation:**

**NIPPON FLOORSHIELD PU WATERPROOFING MEMBRANE** is to be applied on primed concrete. Also, all traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.

**Application:**

**NIPPON FLOORSHIELD PU WATERPROOFING MEMBRANE** is supplied in proportionate quantities in 2-component containers. The entire contents of the Component A is mixed and poured into a clean mixing barrel. Then empty Component B into the mixing barrel and mix homogeneously for at least 2–3 minutes using a mechanical stirrer. The inclusion of air in the stirring process must be avoided.
The mixture is poured onto the surface in portions and spread by squeegee and finished with a roller.

**Overcoating:**

Subsequent finishing or overlayment should be applied once the product becomes tack-free but before it completely hardens.

**Safety, Health and Environmental Information:**

Keep container tightly closed and keep out of reach from children. Avoid contact with skin and eyes. Wear suitable protective coating such as overalls, goggles, dust masks and gloves. Use a barrier cream. Care must be taken when transporting paint. Keep container in a secure upright position. Do not empty into drains or watercourses. Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

*NOTE :*

*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 accuracy of our information or the suitability of our products in any given condition.*
*We reserve the right to alter the given data without notice.*