



NIPPON FLOOR COATING (WB)

Water Based Acrylic Coating

Product Description :

NIPPON FLOOR COATING (WB) is a high performance water-based acrylic coating specifically designed for protection of the internal or external masonry surfaces such as cement or concrete floor and sports floor. It is recommended for non-immersion services. It is recommended to impart non-skid property on slippery surfaces.

Physical Characteristics of Paint

Colour	: Manufactured in wide range of colours
Texture	: Matt
Specific gravity	: 1.40-1.60 (for mixture of Base and Aggregate)
Solid Content	: 45% by volume (ASTM D2697 1973)
Flash Point	: Not Applicable
Recommended no. of coats	: 1 to 2 coats.
Recommended Film Thickness Per Coat	: 35 ~ 40 microns for dry film 78 ~ 89 microns for wet film
Theoretical coverage	: 12.85 m ² /litre (for dry film thickness of 35 microns) 11.25 m ² /litre (for dry film thickness of 40 microns) $\text{Theoretical Coverage} = \frac{\text{Volume Solids (\%)} \times 10}{\text{Dry Film Thickness (\mu)}}$
Practical Coverage (20% Loss Factor)	: 10.28 m ² /litre (for dry film thickness of 35 microns) 9.00 m ² /litre (for dry film thickness of 40 microns)

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 or the article being coated, the skill of applicator etc. when estimating quantities required for a particular job.

GENERAL PROPERTIES :

Adhesion	: Excellent on correctly prepared surfaces.
Abrasion	: Excellent resistance to abrasion and mechanical damage.
Water Resistance	: Excellent resistance to water

Mixing Ratio (For Non-Skid property) : 5L Paint to 2.0 kg of Aggregate. Stir the content of the Paint component, continue stirring and gradually add the total contents of the Aggregate component, continue stirring until a homogeneous mix is obtained.

Thinner / Thinning : WATER. Normally 5-10 % thinning is required.

Note: All equipment should be cleaned IMMEDIATELY with thinner after use. For thinning, substitute thinners other than those approved or supplied by Nippon Paint may adversely affect the product performance and void product warranty whether express or implied.

Surface Preparation:

New Concrete surfaces

Surface must be clean, dry and free of oil or grease. All the laitance must be mechanical abraded or light abrasive blasting. All the dust and loose material must be removed. Avoid painting when the moisture content and alkalinity of the floor are still high. (Recommended painting specification requires the moisture content of the floors to be below 16% measured by protimeter and alkalinity of the floors to be below pH9.). New concrete floor must have to cure minimum of 28 days.

Previously Painted Surfaces

Clean the surface with approved detergent & thinner (recommended SA 65 Thinner) and leave to dry. Then remove all previous loose coatings with mechanical tools or hand tools. Ensure that the surface is completely dry and free from loose flaking material, dust or contamination prior coating. Spot prime with NIPPON ACRYLIC 5170 WALL SEALER if necessary.

Drying Time (at 25°C ~ 30°C) : Dependent on temperature and humidity
: Hard Dry : 1 hours
: Dry to Overcoat : Minimum 2 hours

Note: Drying time will become remarkably delay under low temperature. Overcoating the previous coat should be done within 6 ~ 7 days but preferably as soon as possible after it has been allowed 2 hours drying or else, it is desirable to roughen it by dry sanding with sandpaper before it is overcoated. This is to ensure proper intercoat adhesion. Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating. When chalking occurs, chalks should be removed by water washing. Allow the surface to dry thoroughly prior to overcoating.

Application Methods : Brush and roller. Good quality brushes and mohair/ short nap rollers should be used with full strokes. Avoid rebrushing. Thin up to 10% by volume of **WATER** for proper flow-out. Additional coats may be required to achieve minimum specified film thickness.

Standard Packing : 5 litres

Environmental Conditions During Application:

1. Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.
2. The surface temperature for application is 7°C but drying and overcoating times will be considerably extended.
3. During application of the paint, naked flames, welding operations and smoking should not be allowed and adequate ventilation should be provided.

Safety, Health and Environmental Information

1. Provide adequate ventilation, especial using in confined spaces
2. Keep container tightly closed and keep out of reach from children.
3. Do not breathe vapour/spray. Applying paint to large surface areas under closed environment should use air supplied breathing equipment. For small areas or short periods, a suitable cartridge mask should be worn.
Inhalation : Remove to fresh air, loosen collar and keep patient rested.
Ingestion : In case of accidental ingestion. DO NOT INDUCE VOMITTING. Seek immediate medical attention.
4. Avoid contact with skin and eyes. Wear suitable protective coating such as overalls, goggles, dust masks and gloves. Use a barrier cream.
Eyes : In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.
5. Care must be taken when transporting paint. Keep container in a secure upright position.
6. Do not empty into drains or watercourses. Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Note: A Chemical Safety Data Sheet (CSDS) is available upon request.

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.