



## NIPPON FLOORSHIELD SF DAMP CONCRETE PRIMER

### Product Description:

**NIPPON FLOORSHIELD SF DAMP CONCRETE PRIMER** is a two component solvent free moisture tolerant epoxy primer that cures completely even under the presence of high moisture.

### Uses:

**NIPPON FLOORSHIELD SF DAMP CONCRETE PRIMER** is to be used on prepared green concrete and other high moisture concrete which could not be cured sufficiently to accept moisture sensitive finishes. It should not be used on concrete with high hydrostatic or osmotic pressure.

### Benefits:

- Solvent free thus no solvent smell
- Moisture tolerant during cure.
- Can be applied on >90% RH Concrete
- Excellent adhesion for over-layment

### Physical Properties:

<b>Solid Content</b>	:100%
<b>Density</b>	:1.2 kg/L
<b>Viscosity</b>	:approx. 1500 mPas
<b>Packing Size</b>	:5kg
<b>Colour</b>	:Amber
<b>Shelf Life</b>	: 24 months at 30C(tightly sealed and properly stored)

### Performance Properties:

**Adhesion (ASTM D4541)** : Concrete cohesive failure at >1.5N/mm<sup>2</sup>.

### Application Properties:

<b>Mixing Ratio (A:B)</b>	: 64:36 (by wt)
<b>Pot Life (30°C)</b>	: 15~20 mins.
<b>Application Temperature</b>	: 15~35C
<b>Consumption</b>	: 0.30kg/m <sup>2</sup> per coat
<b>No. Of Coat</b>	: 1~2 dependant on substrate
<b>Recoat time</b>	: 12 hours
<b>Walk on time</b>	: 12 hours
<b>Cleaning Solvent</b>	: SA-65 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 SF DAMP CONCRETE PRIMER** can be applied directly onto the prepared substrate. The old concrete surface should have an adhesive pull strength of minimum 1.5 N/mm<sup>2</sup> or compressive strength of minimum 25 N/mm<sup>2</sup>. Also, all traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Cracks and hollow spots must be properly repaired.

#### **Application:**

**NIPPON FLOORSHIELD SF DAMP CONCRETE PRIMER** 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 90 seconds using a mechanical stirrer. Use a 300 - 500 rpm slow-speed drill, with a spiral mixing blade or Jiffy mixer. Move the mixing blade in circles around the inside edge of the pail from bottom to top. The inclusion of air in the stirring process must be avoided.

The mixture is poured onto the surface in portions and spread with a roller. On porous and heavily absorbent concretes a second or third application is advisable.

#### **Overcoating:**

Subsequent finishing or overlayment should be applied once the primer becomes tack-free but before the primer completely hardens which is within 24 hour time.

### **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.*