



NIPPON FLOORSHIELD SF EPOXY PRIMER

Product Description:

NIPPON FLOORSHIELD SF EPOXY PRIMER is a two component solvent free low viscosity 100% solid epoxy primer modified for excellent substrate wetting and penetration.

Uses:

NIPPON FLOORSHIELD SF EPOXY PRIMER is to be used on prepared concrete to seal the porosity of concrete and provide penetration to enhance adhesion to prepare for polymer overlay.

Benefits:

- Solvent free thus no solvent smell
- Low viscosity for penetration
- Excellent wetting of substrate
- Excellent adhesion for over-layment

Physical Properties:

Solid Content	:100%
Density	:1.1 kg/L
Viscosity	:approx. 600 mPas
Packing Size	: 11kgs
Colour	:Transparent
Shelf Life	: 24 months at 30C(tightly sealed and properly stored)

Performance Properties:

Adhesion (ASTM D4541) : Concrete cohesive failure at $>1.5\text{N/mm}^2$.

Application Properties:

Mixing Ratio (A:B)	: 64:36 (by wt)
Pot Life (30°C)	: 20 mins.
Application Temperature	: 15~35C
Consumption	: 0.25kg/m ² per coat
No. Of Coat	: 1~2 dependant on substrate
Recoat time	: 12 hours
Walk on time	: 12 hours
Cleaning Solvent	: 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 EPOXY PRIMER can be applied directly onto the substrate if the substrate moisture does not exceed max. 4 % by weight (measured electrically using Tramex CME). The surface should have an adhesive pull strength of minimum 1.5 N/mm² or compressive strength of minimum 25 N/mm². 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 EPOXY 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 2–3 minutes 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 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 hours.

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.*