



NIPPON FLOORSHIELD SF EPOXY FINISH

Product Description:

NIPPON FLOORSHIELD SF EPOXY FINISH is a three component solvent free high grade epoxy coating available in any glossy and attractive colour.

Uses:

NIPPON FLOORSHIELD SF EPOXY FINISH is to be used on primed floor or an anti-slip aggregates as an abrasion and chemical resistance finishing coating.

Benefits:

- Solvent free thus no solvent smell
- Abrasion resistance
- Chemical resistance

Physical Properties:

Solid Content	:100%
Density	: 1.35~1.45 kg/L
Viscosity	:approx. 2000~3000 mPas
Packing Size	: 8 kgs
Colour	:Many colours
Shelf Life	: 24 months at 30C(tightly sealed and properly stored)

Performance Properties:

Adhesion (ASTM D4541)	: Concrete cohesive failure at $>1.5\text{N/mm}^2$.
Compressive Strength (ASTM C579)	: $>85\text{ MPa}$
Flexural Strength (ASTM 580)	: $>40\text{ MPa}$
Shore D Hardness (ASTM D2240)	: >80
Abrasion Resistance (ASTM D4060)	: $<80\text{mg}/1000\text{cycle}$

Application Properties:

Mixing Ratio (A:B:C)	: 3.7:1.3:3 (by wt)
Pot Life (30°C)	: 20 mins.
Application Temperature	: 15~35C
Consumption	: 0.3kg/m^2 (1 st coat) and 0.2kg/m^2 (2 nd coat)
No. Of Coat	: 2
Recoat time (30°C)	: 12 hours
Walk on time (30°C)	: 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 FINISH can be applied directly onto the primed substrate to provide a body or finishing coat. Also, all traces of contaminants such as dust to be removed to expose a clean substrate.

Application:

NIPPON FLOORSHIELD SF EPOXY FINISH is supplied in proportionate quantities in 3-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 1 minute using a mechanical stirrer. Charge in Component C and mix further for 1 minute. 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 prepared primer or anti-slip aggregates in portions and spread with a roller.

Overcoating:

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