NIPPON FLOORSHIELD SL2 EPOXY FINISH

Product Description:

NIPPON FLOORSHIELD SL2 EPOXY FINISH is a three component solvent free 100% solid self-smoothing epoxy resin compound in high gloss seamless finish applied at 2mm thickness.

Uses:

NIPPON FLOORSHIELD SL2 EPOXY FINISH is to be used on prepared and primed concrete floor in heavy duty industrial environment.

Benefits:

- Solvent free thus no solvent smell
- High gloss thus easy to clean contamination
- High impact and chemical resistance.
- Seamless and dust free
- Good light reflectant

Physical Properties:

Solid Content	:100%
Density	:1.7 kg/L
Viscosity	:approx. 3000~4000 mPas
Packing Size	: 20kgs
Colour	: Various
Shelf Life	: 24 months at 30C(tightly sealed and properly stored)

Performance Properties:

Adhesion (ASTM D4541)	: Concrete cohesive failure at >1.5N/mm^2.
Abrasion Resistance (ASTM D4060)	:< 80mg/1000cycle
Shore D Hardness (ASTM D2240)	: >75
Compressive Strength (ASTM C579)	: >85 Mpa
Tensile strength (ASTM D 638)	: >35 Mpa

Application Properties:

Mixing Ratio (A:B)	: 5.7:2.0:12.3 (by wt)
Pot Life (30^{o}C)	: 20 mins.
Application Temperature	: 15~35C
Consumption	: 3.4kg/m^2 per coat/2mm
No. Of Coat	: 1
Recoat time	: 24 hours
Walk on time	: 24 hours
Cleaning Solvent	: SA-65 Thinner

Recommendation For Use:

Surface Preparation:

NIPPON FLOORSHIELD SL2 EPOXY FINISH 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/mm^2. 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 SL2 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 for 1 minute using a mechanical stirrer. Charge in Component C and mix further for 1 minute till homogeneous. 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 on the primer in portions and spread with a roller. If required it must be immediately scattered with mineral elements.

.

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.