NIPPON FLOORSHIELD SF EPOXY BODYCOAT

3-component Solvent-free Epoxy

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NIPPON FLOORSHIELD SF EPOXY BODY COAT is a three-component solvent free epoxy coating available as a natural body coat. It is to be used on primed floor as a body coat to accept mineral dressings such as quartz scatter.

Product Features:

- Solvent free, thus no solvent smell
- High strength body coat

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent-Free	Interior	Gloss	Floor Concrete	Part A: 3.7 kg Part B: 1.3 kg Part C: 3.0 kg

Composition

Pigment	: Organic and Inorganic Pigment
Binder	: Epoxy & amine
Thinner	: -

Technical Data

Solid Content	: 100%
Density	: 1.30 kg/L
Viscosity	: approximately 2000 - 3000 mPas
Shelf-life	: 24 months at 30C (tightly sealed and properly stored)
Mixing Ratio	: 3.7 : 1.3 : 3.0 (by weight)
Pot-life (30℃)	: 20 minutes
Application Temperature	: 15 – 35℃
Consumption	: 0.30 – 0.50 kg/m^2 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.
No of coats	: 1
Recoat Time	: 12 hours
Walk on Time	: 12 hours
Cleaning Solvent	: Nippon SA-65 Thinner
Adhesion Strength	: Concrete cohesive failure at > 1.5N/mm^2 (ASTM D4541)
Shore D Hardness	: > 75 ((ASTM D2240)
Compressive Strength	: > 85 MPa (ASTM C579)
Tensile Strength	: > 40 MPa (ASTM C580)

Application Method

Surface Preparation	: **NIPPON FLOORSHIELD SF EPOXY BODY COAT** can be applied directly onto the primed substrate to provide a body and platform for mineral elements. Also, all traces of contaminants such as dust to be removed for an ideal adhesion to the primer.
Application	**: NIPPON FLOORSHIELD SF EPOXY BODY COAT** 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.

Overcoat : Subsequent finishing or overlayment should be applied once it becomes tack-free but before it completely hardens which is within 24 hours.

Cleaning

Clean up equipment with thinner immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{Volume\ Solid\ \%\ x\ 10}{Dry\ Film\ Thickness}\right] = m^2/lit/coat$$

and does not consider LOSS FACTORS.
Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

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 quality of the product itself.
We reserve the right to alter the given without prior notice.