NIPPON FLOORSHIELD XHB GF

Product Description:

NIPPON FLOORSHIELD XHB GF is a two-component high solid modified cycloaliphatic amine cured epoxy finish. It is to be used on primed floor as a chemical, oil and abrasion resistant finishing coating.

Physical Characteristics:

Colour	:	As per colour card
Texture	:	Gloss
Specific Gravity	:	1.20 kg/L
Solid Content (ASTM D2697 1973)	:	96 ± 2% by volume
Packaging	:	5kg
Shelf Life	:	2 years

Performance Properties:

Adhesion (ASTM D4541)	:	Concrete cohesive failure at > 1.5N/mm^2
Shore D Hardness (ASTM D2240)	:	>70
Abrasion Resistant (ASTM D4060)	:	< 80mg/1000cycles

Application Properties:

Mixing Ratio	:	3.5 :1.5 (by weight)
Pot-life @ 25C	:	1 hour
Application Temperature	:	15^{o}C – 35^{o}C
Theoretical Coverage	:	5.3 m^2 /kg @ 150um dry film thickness per coat
Practical Coverage (20% loss factor)	:	4.2 m^2/kg @ 150um dry film thickness per coat
No of Coat	:	2 coats
Recoat Time (30^{o}C)	:	16 hours
Walk on Time (30^{o}C)	:	16 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 XHB GF can be applied directly onto the primed substrate to provide a finishing coat. Also, all traces of contaminants such as dust to be removed to expose a clean substrate.

Application:

NIPPON FLOORSHIELD XHB GF 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 1-2 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 the bottom to top. The inclusion of air in the stirring process must be avoided.
The mixture is poured onto the primed substrate in portion, and spread with a roller.

Overcoating:

Overcoating the previous coat should be done within 3 days but preferably as soon as possible after it has been allowed 16 hours drying or else, it is desirable to roughen it before it is over coated. This is to ensure proper intercoat adhesion. Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating

Surrounding Condition:

Do not conduct painting job on this product in the following condition:
1. Relative humidity exceeds 85%
2. Surface to be coated is less than 3°C above the dew point.
3. Do not apply at temperature below 7°C. Otherwise the drying and overcoating times will be considerably extended.

Safety, Health and Environmental Information:

In the wet state, this product is flammable. Protect from extremes of temperature & store in a cool place. Naked flame, welding operations and smoking should not be allowed, and adequate ventilation should be provided during application. In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

Keep container tightly closed and keep out of reach from children. Avoid contact with skin and eyes. Wear suitable Personnel Protective Equipment, such as overalls, goggles, dust mask and gloves. Care must be taken when transporting paint. Keep container in a secure upright position.

Do not empty into drain or watercourses. Dispose of any paint waste in accordance with the appropriate Environment Quality Requlations.

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.