

TECHNICAL DATA SHEET FOR

FLOOR-PRO 324 SF EPOXY OP TEXTURE

FLOOR-PRO 324 SF EPOXY OP TEXTURE is a three-component, solvent-free thixotropic epoxy coating provides orange peel appearance to enhance the slip resistance. It can also be used as resurfacing scratch coat.

FEATURES

- Solvent free, low odour
- Good slip resistance
- High gloss thus easy to clean and maintenance
- High impact and chemical resistance
- Seamless and dust free

APPLICATION AREAS

- Ideal to be used on primed floor as an economical abrasion and chemical resistance textured coating that gives an orange peel effect
- As resurfacing scratch coat for both sealing of epoxy mortar porosity and prepare the substrate to receive finishing coat

PHYSICAL PROPERTIES

Chemical Composition	Solvent-free amine cured epoxy
Colour	As per standard colours
Finish	High gloss
Density, mixed	1.40 ± 0.03 g/cm ³ @28°C
Viscosity, mixed	Approx 35000 mPas @28°C
Solid Content, mixed	100%

PERFORMANCE DATA

Adhesive strength	> 1.5 N/mm ² (Concrete failure) (ASTM D4541)
Compressive Strength	> 85 N/mm ² (ASTM C579)
Taber Abraser Wear Index	< 80mg / 1000 revolutions /1 Kg (ASTM D4060, CS-17)
Shore D Hardness	> 80 (ASTM D2240)

*Conditions such as installation process, inappropriate maintenance, short and long-term wear and use as well as surface contaminants (wet or dry) affects the slipperiness of flooring materials. To meet slip resistance requirement for wet conditions and/or surface contaminants (wet or dry), appropriate textured or anti-slip floor systems are recommended. Please contact Nippon Paint for further details and specifications.

**The final floor finish shall follow the profile of the concrete, therefore appropriate levelling compound is recommended to treat the undulating surface.

APPLICATION GUIDE

Mixing Ratio (by weight)	Part A : Part B :Part C 3.7 : 1.3 : 3.0
Number of coats	2-3 coats
Recommended Thickness	Orange peel finish: 280 - 350µm DFT per coat Resurfacing scratch coat: Thickness depend on substrate porosity
Theoretical Coverage	Orange peel finish: 0.4 – 0.7 Kg/m ² /coat Resurfacing scratch coat: 0.3 – 0.5 Kg/m ² /coat
Pot Life (Working time)	20 mins @ 28°C
Recoating time	Within 15 - 24 hrs @ 28°C

Curing time	30°C Foot traffic (hrs) 24 Light Traffic (days) 3 Exposure to chemicals (days) 7
Substrate Temperature relative to dew point	≥ 3°C
Recommended application temperature range	Minimum 15°C Maximum 35°C
Relative Humidity	< 85%

SUBSTRATE REQUIREMENT

- Concrete or screed substrate compressive strength should be of minimum 25 N/mm² and adhesive pull off strength of 1.5 N/mm².
- The moisture content of concrete shall be < 4% or dried up to 85% RH as per BS8204. It shall be free from rising damp and must be waterproofed against negative ground water pressure.

SURFACE PREPARATION

- Concrete substrate must be clean, free of laitance and contaminants.
- In the event the moisture content is > 4%, FLOOR-PRO 203 SL EPOXY MOISTURE BARRIER may be applied as temporary moisture barrier system.
- Allow to cure over-night before the application of subsequent coating system. Prepare the concrete substrate surface by captive shot blasting, scarifying or mechanical grinding. Repair damaged area and patch up cracks and holes using a suitable repair material compatible with the coating system.

APPLICATION METHOD

- FLOOR-PRO 324 SF EPOXY OP TEXTURE is supplied in proportionate quantities in 3-component containers. The entire contents of the Part A is mixed and poured into a clean mixing barrel. Then empty Part B into the mixing barrel and mix for 1 minute using a mechanical stirrer. Charge in Part 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. Transfer the mixed material to a clean container and mix for another minute. The inclusion of air in the stirring process must be avoided.

Orange peel finishing coat

- Mixture is poured onto the primed surface in portions, may be applied by brush, roller or spray. Spread with a squeegee and back roll with a roller. It is recommended to back roll with texture roller to achieve orange peel effect

Resurfacing scratch coat

- Apply the mixed FLOOR-PRO 324 SF EPOXY OP TEXTURE with roller as seal coat at 0.3 - 0.5 Kg/m²/coat to seal porosity of FLOOR-PRO 202 SF EPOXY MORTAR

PACKAGING

Components	PART A (BASE)	PART B (HARDENER)	PART C (FILLER)
TOTAL 8 Kg	3.70	1.30	3.00

STORAGE AND SHELF LIFE

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Components	PART A (BASE)	PART B (HARDENER)	PART C (FILLER)
Months	12	12	12

SAFETY PRECAUTION

- This product is intended for use by professional applicators. Refer to the safety information display on the container and in the safety data sheet (SDS) before using the product.
- Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water.
- Eye should be well flushed with water and seek for medical attention immediately upon contact with this product.
- During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided.
- If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice.

DISCLAIMER

The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore, no implied conditions, warranties or other terms will apply to the Product. Nippon Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. This data sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail.