

TECHNICAL DATA SHEET FOR

## FLOOR-PRO 308 SF EPOXY CLEAR

FLOOR-PRO 308 SF EPOXY CLEAR is a two-component, solvent-free low viscosity epoxy clear designed with excellent wetting, leveling and abrasion resistance properties

### FEATURES

- Solvent-free, low odour
- Excellent wetting and levelling
- High abrasion resistance

### APPLICATION AREAS

- Ideal to be used as a clear abrasion resistance topcoat on decorative elements such as coloured flakes, quartz, or plain finishes

### PHYSICAL PROPERTIES

Chemical Composition	Solvent-free cycloaliphatic amine epoxy
Colour	Clear
Finish	High gloss
Density, mixed	1.10 ± 0.03 g/cm <sup>3</sup> @ 28°C
Viscosity, mixed	Approx 500 - 700 mPas @ 28°C
Solid Content, mixed	100%

### PERFORMANCE DATA

Adhesive strength	> 1.5 N/mm <sup>2</sup> (Concrete failure) (ASTM D4541)
Compressive Strength	> 85 N/mm <sup>2</sup> (ASTM C579)
Flexural strength	> 40 N/mm <sup>2</sup> (ASTM C580)
Taber Abraser Wear Index	< 80mg / 1000 revolutions (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 64 : 36
Number of coats	1 – 2 coats dependant on substrate
Recommended Thickness	200 – 300um per coat
Theoretical Coverage	0.25 Kg/m <sup>2</sup> /coat
Recoating time	Within 12 – 24 hrs @ 28°C
Pot Life	25 mins @ 28°C

Curing time		30°C
	Foot traffic (hrs)	12
	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 should be a minimum of 25 N/mm<sup>2</sup> and adhesive pull off strength of 1.5 N/mm<sup>2</sup>, free from laitance, dust and other contamination.
- The substrate should be dried up to 85% RH as per BS8204 and free from rising damp and ground water pressure.

### SURFACE PREPARATION

- Concrete substrate must be clean, free of laitance and contaminants.
- The concrete substrate must be dry and waterproofed against negative ground water pressure.
- Appropriate moisture barrier at 2 mm thickness is recommended if the substrate moisture > 4%.
- In the event of high substrate moisture > 6%, it is recommended to apply a 5 mm thickness high compressive strength anti-osmosis epoxy mortar as moisture tolerance system.
- Allow to cure over-night before the application of subsequent painting 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 patching compound. Cut 5mmX5mm grooves around the perimeter of the floor and at end points (eg: plinth, column, drains etc.)

### APPLICATION METHOD

#### Applying FLOOR-PRO 308 SF EPOXY CLEAR

- To be applied on properly cleaned and tight decorative finishes.

#### Applying FLOOR-PRO 308 SF EPOXY CLEAR

- Add all the Part A (Base) into Part B (Hardener) and mix both liquid parts thoroughly for 2-3 minutes using a mechanical stirrer until 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. Avoid inclusion of air during the mixing process.
- Mixture is poured onto the surface in portions, may be applied by brush, roller or spray. Spread with a squeegee and back roll with a roller.

#### Overcoating of FLOOR-PRO 308 SF EPOXY CLEAR

- Subsequent finishing or overlayment should be applied once the primer becomes tack-free but before the primer completely hardens which is within 24 hours.
- Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating.

### PACKAGING

Components	PART A (BASE)	PART B (HARDENER)
TOTAL 10 Kg	6.4	3.6

### 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)
Months	24	24

### 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.