



TECHNICAL DATA SHEET FOR

NIPPON FLOOR PRIMER 200

DESCRIPTION : NIPPON FLOOR PRIMER 200 is a two-pack amine-adduct cured

epoxy primer designed for concrete floor application

TYPE : Two-pack amine adduct cured epoxy primer

COLOUR : White

FINISH : Low Gloss

USES : Ideal to be used on prepared concrete to seal the porosity and

provide penetration to enhance adhesion for subsequent coating

FEATURES : • Low viscosity for penetration

• Excellent adhesion to the concrete substrate

Fast drying

APPLICATION DATA

METHOD : Brush or Roller

THEORETICAL SPREADING

RATE

: Approximately 9.2 - 6.9 m² / litre / coat

RECOMMENDED THICKNESS : 60 – 80 μm dry film per coat

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

 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.
- Concrete substrate must be clean, free of laitance and contaminants.
- In the event the moisture content is > 4%, apply appropriate temporary moisture barrier system.

RECOMMENDED PAINTING SYSTEM

• Primer: 1 coat of NIPPON FLOOR PRIMER 200

 Topcoat: 2 coats NIPPON FLOOR PU TOP COAT 500 or NIPPON FLOOR TOP COAT 400

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DILUTION THINNER : NIPPON EPOXY THINNER

DRYING TIME : Substrate temperature 25°C 40°C

Surface dry 1 hr 0.5 hrs

Through dry 6 hrs 3 hrs

Cured 7 days 3 days

Dry to Overcoat (min) 6 hrs 3 hrs

Dry to Overcoat (max) 30 days 14 days

CURING TIME : 30°C

Foot traffic (day) 1
Light traffic (days) 3
Exposure to chemicals (days) 7

SUBSTRATE TEMPERATURE RELATIVE TO DEW POINT

≥ 3°C

RECOMMENDED

ARRIVATION TEMPERATUR

APPLICATION TEMPERATURE

RANGE

Minimum 5°C Maximum 40°C

RELATIVE HUMIDITY < 85%

CLEANING : All equipment should be cleaned with NIPPN EPOXY THINNER

immediately after use

GENERAL INFORMATION

SOLID CONTENT : $55.0 \pm 2.0 \%$ by volume

SPECIFIC GRAVITY : $1.38 \pm 0.05 \text{ kg / litre (Mixed)}$

FLASH POINT : Base: 7°C Hardener: 23°C Mix: 7°C

POT LIFE : 5 hours at 25 °C

PACKING : Un

Unit	Base	Hardener
5 L	4.5L	0.5L
20 L	18L	2L

NO. OF COMPONENT : 2

MIXING RATIO (BY VOLUME) : BASE : HARDENER

9 : 1 (by volume)

Base and hardener should be mixed thoroughly before use with a

mechanical agitator

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STORAGE : Store in a tightly sealed container in a cool, dry place

SHELF LIFE : Base : Up to 12 months in a tightly sealed container

Hardener: Up to 12 months in a tightly sealed container

PRECAUTION : Ensure good ventilation during application and drying of paint. Avoid

direct contact with sensitive skin. Use appropriate personal protective

equipment

Refer to the product Safety Data Sheet for more information

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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