



TECHNICAL DATA SHEET FOR

NIPPON FLOOR TOP COAT 400

DESCRIPTION : NIPPON FLOOR TOP COAT 400 is a two-pack solvent based amine-

adduct cured epoxy top coat for use on concrete floor surfaces

TYPE : Two-pack amine-adduct cured epoxy

COLOUR : Standard colours as per colour cards

Special colours available upon request

FINISH : Gloss

USES : Ideal to use at light duty commercial, residential and industrial

areas, warehouse, garages, car park decks where protection of

the concrete floor are required

FEATURES : • Excellent resistance to abrasion, chemical and corrosion

Easy to apply and low maintenance

Excellent adhesion on most surfaces

Hygienic – easy to clean, dust free surface

APPLICATION DATA

METHOD : Brush or Roller

THEORETICAL SPREADING

RATE

Approximately 10.2 – 5.1 m² / litre

RECOMMENDED THICKNESS : 50 – 100 µm dry film / coat

SUBSTRATE REQUIREMENT : • Concrete or scree

 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.

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RECOMMENDED PAINTING

SYSTEM

Primer: 1 coat of NIPPON FLOOR PRIMER 200
Topcoat: 2 coats NIPPON FLOOR TOP COAT 400

DILUTION THINNER : NIPPON EPOXY THINNER

DRYING TIME

Substrate temperature 25°C 40°C 1.5 hrs 0.5hrs Surface dry Through dry 7 hrs 3 hrs Cured 7 days 3 days 7 hrs Dry to Overcoat (min) 3 hrs Dry to Overcoat (max) 30 days 14 days

30°C

CURING TIME :

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

SUBSTRATE TEMPERATURE RELATIVE TO DEW POINT

≥ 3°C

RECOMMENDED APPLICATION

TEMPERATURE RANGE

Minimum 5°C Maximum 40°C

RELATIVE HUMIDITY < 85%

CLEANING : All equipment should be cleaned with NIPPON EPOXY THINNER

immediately after use

GENERAL INFORMATION

SOLID CONTENT : $51.0 \pm 2.0 \%$ by volume (based on white colour)

SPECIFIC GRAVITY : $1.25 \pm 0.10 \text{ kg} / \text{litre (Mixed)} - \text{depending on colours}$

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

POT LIFE : 6 hours at 25 °C

PACKING : \[\sqrt{

Unit	Base	Hardener
5 L	4 L	1 L
20 L	16 L	4 L

NO. OF COMPONENT : 2

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MIXING RATIO (BY VOLUME) : BASE : HARDENER

4 : 1 (by volume)

Base and hardener should be mixed thoroughly before use with a

mechanical agitator

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.

Enquiries / Contact Details : Customer Service

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