

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	:	<ul style="list-style-type: none">• 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	:	<ul style="list-style-type: none">• 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 m ² / litre
RECOMMENDED THICKNESS	:	50 – 100 µm dry film / coat
SUBSTRATE REQUIREMENT	:	<ul style="list-style-type: none">• 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	:	<ul style="list-style-type: none">• 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	<u>25°C</u>	<u>40°C</u>
Surface dry	1.5 hrs	0.5hrs
Through dry	7 hrs	3 hrs
Cured	7 days	3 days
Dry to Overcoat (min)	7 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 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 ± 2.0 % by volume (based on white colour)

SPECIFIC GRAVITY : 1.25 ± 0.10 kg / litre (Mixed) - depending on colours

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

POT LIFE : 6 hours at 25 °C

PACKING :

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

NO. OF COMPONENT : 2

