TECHNICAL DATA SHEET FOR

NIPPON FLOOR PU TOP COAT 500

DESCRIPTION	:	**NIPPON FLOOR PU TOP COAT 500** is a two-pack, aliphatic acrylic polyurethane finish coat with high durability, excellent gloss and colour retention for outdoor concrete floor application.
TYPE	:	Two-pack aliphatic acrylic polyurethane finish coat
COLOUR	:	Standard colours as per colour cards Special colours available upon request
FINISH	:	High 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 :

- Resistance to outdoor weathering
- High durability, excellent gloss and colour retention
- 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 12.0 – 7.5 m^2 / litre / coat
RECOMMENDED THICKNESS	:	50 – 80 µm dry film per coat

SUBSTRATE REQUIREMENT :

- Concrete or screed substrate compressive strength should be of minimum 25 N/mm^2 and adhesive pull off strength of 1.5 N/mm^2.
- 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 PU TOP COAT 500

DILUTION THINNER : NIPPON PU THINNER

DRYING TIME :

Substrate temperature	25°C	40°C
Surface dry	1 hr	0.5 hrs
Through dry	7 hrs	4 hrs
Cured	5 days	2 days
Dry to Overcoat (min)	7 hrs	4 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

CLEANING : All equipment should be cleaned with NIPPON PU THINNER immediately after use

GENERAL INFORMATION

SOLID CONTENT : 60.0 ± 2.0 % by volume (based on white colour)

SPECIFIC GRAVITY : 1.12 ± 0.1 kg / litre (Mixed) – depending on colours

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

POT LIFE : 2.5 hours at 25 °C

PACKING :

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

NO. OF COMPONENT : 2

MIXING RATIO :

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.

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