

TECHNICAL DATA SHEET FOR

FLOOR-PRO 912 WB ACRYLIC TOPCOAT

FLOOR-PRO 912 WB ACRYLIC TOPCOAT is a hard wearing one component water-based acrylic coating designed for light duty with fast dry and short recoating time

FEATURES

- High hardness and good wear resistance
- Good weathering resistance
- Good alkali resistance
- Fast dry, short recoating time
- Water-based, low odour and environmentally friendly

APPLICATION AREAS

- Suitable for asphalt and concrete surfaces for area like garage floor, walkways, pedestrian areas
- For light traffic area

PHYSICAL PROPERTIES

Chemical Composition	Water based Acrylic
Colour	As per standard colour
Finish	Soft Matt
Density	1.37 ± 2% g/cm ³ @ 28°C
Viscosity	93 ± 5 KU @ 28°C
Solid Content	61 ± 2% by weight

PERFORMANCE DATA

Adhesive strength	> 1.5 N/mm ² (Concrete failure)
Pencil hardness	F
Taber Abraser Wear Index	140 mg / 1000 revolutions / 1 Kg (ASTM D 4060, CS-10)
Accelerated Weathering (UV Resistance)	Grey scale 5 after 1000 hours exposure to UV-A 340 nm (ASTM G-154)
Impact resistance	1J (ASTM D2794)

*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

Number of coats	3 coats
Recommended Thickness	50 - 60 µm DFT per coat
Consumption rate	0.15 – 0.25 kg/m ² /coat
Dilution	Up to 10% of clean water
Recoating time	Min 1 hr @ 28°C
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 15°C Maximum 40°C
Relative Humidity	< 85%

SUBSTRATE REQUIREMENT

- Concrete or screed substrate compressive strength should be a minimum of 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

- Concrete substrate must be clean, free of laitance and contaminants.
- In the event the moisture content is > 4%, FLOOR-PRO 203 SL Epoxy Moisture Barrier may be applied as temporary moisture barrier 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 suitable repair material compatible with the coating system.

APPLICATION METHOD

Applying FLOOR-PRO 912 WB ACRYLIC TOPCOAT as primer

- Shake FLOOR-PRO 912 WB ACRYLIC TOPCOAT well before use.
- Dilution up to 10% by weight is recommended for better penetration and workability to seal the prepared substrate.
- Pour the material onto the substrate in portion, and spread with a squeegee and back roll with a roller.

Over-coating of FLOOR-PRO 912 WB ACRYLIC TOPCOAT

- Over-coating the previous coat should be done minimum 1 hours after application.
- Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating.

PACKAGING

Total 12 KG

STORAGE AND SHELF LIFE

The products have a shelf life of 24 months and 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. (Unopened and in good condition temperature 10°C to 30°C)

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.