TECHNICAL DATA SHEET FOR

FLOOR-PRO 702 SPORT FLOOR FINISH

FLOOR-PRO 702 SPORT FLOOR FINISH is one-component 100% acrylic water-based paint specially designed for sport courts system such as tennis, volleyball and netball courts, walkway, cycling & jogging tracks. It provides a tough durable coating and excellent traction with even bounce properties. It is also recommended as decorative and protective coating for bituminous and concrete surfaces.

FEATURES

- Water-based, environmentally friendly
- Non-reflective and non-skid
- Good resistance against UV and ponding water (48hours)
- Easy to apply

APPLICATION AREAS

- Sports courts
- Walkway
- Cycling & jogging tracks
- Decorative and protective coating for bituminous and concrete surfaces

PHYSICAL PROPERTIES

Chemical Composition	Water-based acrylic
Colour	As per colour card
Finish	Matt
Viscosity, mixed	100-110 Ku
Solid Content	68 ± 2% (by weight)
pH	9

PERFORMANCE DATA

Adhesive strength	> 2.0 N/mm^2 (Concrete failure)

*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	1 – 2 coats dependent on concrete porosity
Recommended Thickness	250 µm DFT per coat 400 µm WFT per coat
Recoating time	Within 14-18 hrs @ 28°C
Theoretical Coverage	3.0 m^2 /kg@ 250 µm DFT
Drying time	Touch dry: 1 hour (Ventilated area)
Substrate Temperature relative to dew point	≥ 3°C
Recommended application temperature range	Minimum 10°C- Maximum 35°C (concrete) Minimum 10°C- Maximum 40°C (asphalt)

Relative Humidity	< 85%

SUBSTRATE REQUIREMENTS

- 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

Concrete

- New concrete surfaces must have "cured" for at least 28 days and should be porous, and of a light broom finish to ensure maximum adhesion between base coat and concrete.
- Do not use curing membranes, hardeners, dryers and/or accelerators based on calcium chloride in the concrete mix.
- New concrete surfaces must be clean and "etched", using a high pressure water blaster (at least 3000 psi) and solution of hydrochloric acid and water being 1-part acid to 10-part water. The acid solution is to be evenly distributed with a stiff broom and allowed to sit on surface for at least 15 minutes prior to clearing with a water blaster. It is advised to perform this part in sections.
- All surfaces (new or old) must be clean, dry and free from grease and oil, laitance, curing compounds, form board release agents and any other contaminants which may impair adhesion of the FLOOR-PRO 701 SPORT FLOOR BASECOAT. Remove any residual paint with paint stripper, scraping, and grinding and/or sand blasting to achieve a clean surface.
- Fill saw cuts and movement joints with cement grout.
- All surface imperfections must be rectified prior to application of FLOOR-PRO 701 SPORT FLOOR BASECOAT
- FLOOR-PRO 701 SPORT FLOOR BASECOAT will not solve the problem of expansion and contraction cracking. Although somewhat flexible, the coating will not compete with the severe pressures exerted by such movements. "Hairline" cracking is very common in concrete bases; FLOOR-PRO 702 SPORT FLOOR FINISH will initially hide these, however over time, they may reappear.

Asphalt

- New asphalt surfaces should be allowed to cure for a minimum of 18 days.
- A tight, uniform and even top course of asphalt is required to avoid the need for unnecessary filling.
- The surface to be coated must be clean and free from dirt. Use high pressure water blast for best results.
- All surfaces (new or old) must be clean, dry and free from grease and oil, laitance, curing compounds and any other contaminants which may impair adhesion of the Filler coat. Remove any residual paint by scraping, grinding or sand blasting to achieve a clean surface.
- "Bird Baths", cracks or similar surface imperfections must be rectified prior to commencement. All surface imperfections must be rectified prior to application of the FLOOR-PRO 701 SPORT FLOOR BASECOAT
- FLOOR-PRO 701 SPORT FLOOR BASECOAT does not solve the problem of expansion and contraction cracking. Although somewhat flexible, the coating will not compete with the severe pressures exerted by such movements. "Hairline" cracking is very common in concrete bases; FLOOR-PRO 702 SPORT FLOOR FINISH will initially hide these, however over time they may reappear application, preferably with a compatible latex modified concrete resurface.

APPLICATION METHOD

Concrete

Note: Best results are achieved when the product is applied in the cool morning or evening. Do not apply Sport floor system when ambient temperature is below 10°C or concrete temperature is above 35°C or rain is imminent. In normal conditions the system would require 1 or 2 coats FLOOR-PRO 701 SPORT FLOOR BASECOAT and 2 coats of FLOOR-PRO 702 SPORT FLOOR FINISH

Applying FLOOR-PRO 701 SPORT FLOOR BASECOAT (as primer)

- Apply with long hair roller. Use a brush to paint around the posts etc
- Allow 2 hours minimum to dry. Do take note shaded area may need longer curing time

Applying FLOOR-PRO 701 SPORT FLOOR BASECOAT (as filler coat)

- Mix part A and Part B - Use 200 Litre drum
- Stir thoroughly before and during application
- Pour a 'wind row" of material onto court and apply quickly and evening using a flexible rubber squeegee

Applying FLOOR-PRO 702 SPORT FLOOR FINISH

- Prior to applying topcoats ensure that lows spots are leveled, remove lumps leaves, stones and paint
- Dilute 5 parts FLOOR-PRO 702 SPORT FLOOR FINISH to 1 part water, stir thoroughly before during the application.
- Pour a row of liquid material along a line to which it is to be applied. Ensure not to attempt to apply in excessive runs (20 metres max depending on heat conditions of the day) When pouring more material, always pour new into old.
- Spread quickly and evenly with wide, flexible rubber blade squeegee.
- It is recommended to apply both the first coat and second coat across the court, Apply the second coat after a minimum 4 hours, depending on weather conditions.

Asphalt

Note: Best results are achieved when the product is applied in the cool morning or evening. Do not apply Sport floor system when ambient temperature is below 10°C or court temperature is above 40°C or rain is imminent. Open, aged or deteriorated asphalt should need to be repaired prior to application. In normal conditions the system would require 1 or 2 coats FLOOR-PRO 701 SPORT FLOOR BASECOAT and 2 coats of FLOOR-PRO 702 SPORTFLOOR FINISH

Applying FLOOR-PRO 701 SPORT FLOOR BASECOAT (as primer)

- Apply with long hair roller. Use a brush to paint around the posts etc
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PACKAGING

TOTAL 20 Kg

STORAGE AND SHELF LIFE

The product have 12 months shelf life 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.