

## TECHNICAL DATA SHEET FOR

**FLOORSHIELD 861 WATER-BASED PU FINISH**

**DESCRIPTION** : Floorshield 861 Water-based PU Finish is a three-component, high performance water-based aliphatic polyurethane coating designed for use as a durable topcoat to receive foot traffic.

**TYPE** : 3-components water-based aliphatic polyurethane coating

**USES** : Floorshield 861 Water-based PU Finish is suitable for use as a hardwearing, foot trafficable, chemical and abrasion resistant floor coating for concrete floors, walkways, pharmaceutical plants, laboratories and hospitals.

It can be applied over concrete and masonry surface, including self-leveling toppings and over epoxy coating to provide a non-chalking, non-yellowing protection against the aggressive weather elements or as an anti-dust finishing coat for use on interior industrial concrete floor.

**FEATURES** :

- Water-based, environmentally friendly.
- Durable and Hardwearing-able to withstand aggressive and severe weather conditions.
- UV Resistant, Anti-fungus and anti-algae formulation.
- Chemical resistant - high resistance towards alkaline, salts, mild acids and a wide range of industrial chemicals.

**APPLICATION DATA**

**METHOD** : Roller & Brush

**THEORETICAL COVERAGE** : 15 – 18 m<sup>2</sup>/kg when used with Nippon Floorshield SL Screed - Overlayment

**DILUTION** : No dilution is necessary for best performance

**DIRECTION OF USE** : **Mixing**  
Stir each component separately using an electric drill fitted with a paint mixer or a wing type mixing paddle. Pour the entire contents of Part B into Part A and mix evenly. Pour Part C into the blend and mix for approximately 3 minutes until a homogenous tone is achieved.

Important note: Do not use mixed materials beyond the recommended pot-life of 6 hours. As Part B is sensitive to the weather, only open the Hardener (Part B) portion when required for mixing and close tightly after use.

**Application**

The substrate must be clean and dry, free from loose particles and laitance that may affect adhesion of the applied coating.

Existing painted surfaces should be thoroughly washed with high pressure water-jet and allowed to dry before any painting over with the first coat of Floorshield 861 Water-based PU Finish.

Apply the second coat approximately 30 minutes after first coat.

**FLOORSHIELD 861 WATER-BASED PU FINISH****TECHNICAL DATA**

<b>Finish</b>	Sheen
<b>Colour</b>	Pigmented or clear
<b>Theoretical Coverage</b>	Approximately 8 m <sup>2</sup> /Kg or approximately 15 – 18 m <sup>2</sup> /kg when used with Nippon Floorshield SL Screed - Overlayment
<b>Dry Film Thickness (DFT)</b>	50 microns
<b>Viscosity at 28°C (B4 Cup)</b>	60 secs
<b>Non-volatile Content</b>	Approximately 40%
<b>Fineness</b>	40 microns
<b>Specific Gravity</b>	1.04 – 1.20
<b>Wet Abrasion</b>	5000 cycles and above
<b>Dry Time @ 28°C</b>	Tack Free <½ Hard Dry ≤ 4 hours
<b>Pot Life</b>	< 3 hours
<b>Ready for Light Foot Traffic</b>	> 1 hour
<b>Odour</b>	Pleasant
<b>Flash Point</b>	NIL

All suggestion, technical data for use contained herein are correct to the best of our knowledge. Technical advice or service on suitability of product for specific application and end use requirement is available upon request

**GENERAL INFORMATION**

- PACKING** : 24 kg/set (Part A liquid 20.8kg, Part B liquid 2.2 kg, Part C powder 1 kg)
- SHELF LIFE** : 6 months when stored in a cool and dry place, protected from rain and sunlight and extreme temperatures.
- PRECAUTION** : Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Powder products should be handled to minimize dust formation. Use a light mask if excessive dusting is unavoidable.

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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