

## TECHNICAL DATA SHEET FOR

**SUISEI Si**

- DESCRIPTION** : Suisei Si is a water repellent, well penetrating, clear water-based acrylic silicone resin topcoat for concrete protection system. Suisei Si provides a highly durable finish that prolongs the aesthetic retention of the concrete even when it is exposed to harsh climatic environment.
- TYPE** : Waterbased acrylic silicon clear topcoat
- COLOUR** : Clear or tinted clear as per colour card
- FINISH** : Low Gloss
- USES** : Suisei Si is used for the protection of interior and exterior concrete surfaces
- FEATURES** :
- Durable and resistance to aggressive and severe weather conditions
  - Excellent resistance to water, alkaline, and external pollutants
  - Low water absorption and high water vapour transmission
  - Good water repellency
  - Dirt and dust resistance
  - Excellent fungus & algae resistance
  - Fast drying
  - Low odour
  - Non-toxic, does not contain lead, mercury and heavy metals
  - Environmentally friendly with water-based formulation

**APPLICATION DATA**

- METHOD** : Roller or brush
- THEORETICAL COVERAGE** : 13 m<sup>2</sup> /L based on maximum DFT of 20 µm per coat
- DILUTION** : No dilution is necessary for best performance
- SURFACE PREPARATION** : Ensure surface is clean, dry and stable using the following suggested surface treatments:
- **Moisture** : There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application
  - **Unstable matter** : Remove loose bonding powdery substance and dirt etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable
  - **Contaminants** : Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry

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- **Fungus and Algae** : Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
- **Hairline cracks** : The substrate must be primed with Susei Si Primer before fill cracks with suitable exterior grade water-resistant putty or filler. It shall be primed again with 2 coats of Susei Si primer before apply 2 coats of Susei Si

Important note: The product is recommended on new concrete. As for aged or old substrate, due to the high porous nature of concrete to retain moisture, algae or foreign contaminants resulted in concrete darkening before the application, final appearance might be affected

- DRYING TIME** : Touch Dry – 30 mins at 30 °C  
Hard Dry – 2 hours at 30 °C
- OVERCOATING TIME** : 2 hours minimum based on normal condition
- RECOMMENDED PAINTING SYSTEM** : 2 coats of Susei Si Primer  
2 coats of Susei Si
- CLEANING** : All equipments should be cleaned with water immediately after use

**GENERAL INFORMATION**

- SOLID CONTENT** : 35 ± 2.0 % by weight
- SPECIFIC GRAVITY** : 1.05 ± 2.0% kg / litre
- PACKING** : 20 litres
- STORAGE** : Store in a tightly sealed container in a cool, dry place
- SHELF LIFE** : 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.

- Enquiries / Contact Details** : **Customer Service**  
**6265 5355 (Main Line)**  
**6264 1603 (Fax)**  
**www.nipponpaint.com.sg**