



# Rhinofloor® SF Premium

2K solvent-free epoxy for industrial floors

7320 - line

## Description

- 2-pack epoxy solvent-free floor coating

## Properties

- Excellent abrasion and wear resistance
- Seamless chemical-resistant surface
- Low odour during application

## Typical Applications

- Commercial Carparks
- Factory, Workshop and Warehouse floors
- Food processing plants and Commercial kitchens
- Training rooms / Exhibition & Demonstration areas & Retail showrooms
- Washrooms and Amenities blocks
- Plantrooms / Store rooms & 'Back of house' areas
- **This is an industrial grade product and is not recommended for use in domestic situations**

## How To Specify

- The flooring system shall be "Rhino floor SF Premium" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'Application' section for substrate priming prior to application of Rhinofloor SF Premium
- The colour shall be .....
- The degree of non-slip to be similar to 'Approved' sample, or to ramp rating classification of "R ....."

## General Data

- |                       |   |
|-----------------------|---|
| ▪ Weather resistance  | Good<br><i>Note – Product will chalk and discolour on exposure to both U.V. &amp; artificial light sources, and some particular chemicals, however film integrity is not compromised. The application of UV-stable Rhinofloor® Polyurethane topcoats are highly recommended if the Rhinofloor® SF Premium is specified for areas exposed to climatic conditions as per mentioned above. Please refer RHINOFLOOR Technical Representative for further information.</i> |
| ▪ Solvent resistance  | Good  |
| ▪ Chemical resistance | Excellent (mineral / vegetable oils; fats)<br>Very good (dilute acids / alkalis; salt solutions; brake fluid; engine coolant)   |
| ▪ Abrasion resistance | Excellent   |

## Specifications (at 25°C and 50% relative humidity)

- |  |  |
|--|--|
| ▪ Resin type.....                        | Epoxy / polyamine  |
| ▪ Mixing ratio.....                      | 1.7 : 1 (by volume)  |
| ▪ Solids content.....                    | 100% (by volume)   |
| ▪ Typical film thickness (per coat)..... | 200 - 250 microns (dry) (Unthinned)<br>200 - 250 microns (wet) (Unthinned)   |
| ▪ Theoretical coverage.....              | 4 - 5m <sup>2</sup> / L @ 200 - 250 microns dry film thickness (Unthinned)<br>5 - 6m <sup>2</sup> / L @ 165 - 200 microns dry film thickness (Thinned) |
| ▪ Light pedestrian traffic.....          | 24 hours   |
| ▪ Light vehicular traffic.....           | 72 hours (Premature heavy / excessive traffic may cause coating damage / failure)  |
| ▪ Full cure.....                         | 7 days   |
| ▪ Recoating.....                         | within 24 hours to ensure good intercoat adhesion<br>after 24 hours, sanding is required before recoating  |
| ▪ Pot life.....                          | 20 – 30 minutes  |
| ▪ Gloss.....                             | Gloss (Refer "General Data" above for restrictions of use)   |
| ▪ Colour.....                            | Clear (For coloured applications, refer RHINOFLOOR HBE product data sheet)   |
| ▪ Shelf life.....                        | minimum 12 months (in cool, dry conditions)  |
| ▪ Shore 'D' Hardness.....                | 80   |

## Product Characteristics

- The Rhinofloor SF Premium Pack A may crystallize with prolonged storage in cold conditions. The product can be "Re-liquified" by gentle heating to 50°C, then allowing to cool sufficiently prior to use. Please refer Wagon Paints technical department for further information.

# Rhinofloor® SF Premium

## Surface Preparation

- All concrete surfaces to be coated must be in sound, stable condition, with moisture content not greater than 5.5%. New concrete substrates must be at least 28 days old prior to application of the Rhinofloor SF Premium. The recommended preparatory method for the finishing of the concrete substrate, post-pouring, is either "Steel or Helicopter trowelled". Any traces of oil, grease or other contaminants must be completely removed by detergent wash. All excess water to be mopped up and concrete allowed to thoroughly dry. All surfaces to be coated must be captive shot blasted to a profile similar to that of 80 grit sandpaper. Care must be taken to ensure that all existing curing compounds/agents, loose or flaky material and laitance are completely removed. Diamond grind all areas that are inaccessible to shot blast machine. All surfaces to be coated should be vacuum cleaned to remove dust and other loose particles immediately prior to application of the first coat of Rhinofloor SF Premium.
- 'Acid-etching' is not a suitable preparation technique for concrete substrates specified to be applied with the Rhinofloor SF Premium product. Please refer RHINOFLOOR Technical Representative for further information.
- 'Acid-etching' is not a suitable preparation technique for concrete substrates suspected of being pre-treated with 'Densifier' or 'Penetrating Sealer' type products. Preparation via mechanical abrasion of the substrate must be performed prior to application (i.e. Scabbling / Shot-blasting / Diamond-grinding) to permit maximum adhesion characteristics of the system as specified. Please refer RHINOFLOOR Technical Representative for further information.

## Mixing recommendation

- Mix only the quantity required for 20-30 minutes use
- Mix Pack A with Pack B in the ratio 1.7:1 (by volume)
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Product can be thinned if required using only Wagon Paints approved solvents – Refer "Thinning" section below.
- The addition of an amount of thixotrope must be added to the premixed resin (A+B) if the product is to be applied to **vertical** surfaces. Please contact our Technical Representative for further information.

## Thinning

- Thin only with recommended Wagon Paints as specified in "Application" section below.
- Thin at 5%-10% to improve ease of coating application, particularly when applied in cooler atmospheric conditions.
- Always mix components A & B prior to adding any thinner to the mix – Refer "Mixing Recommendations" as above.
- Please contact your RHINOFLOOR Technical Representative for further information.

## Application

- Rhinofloor SF Premium is a very versatile coating. It can be applied by squeegee, medium nap roller, or mixed with washed / kiln-dried sand and applied by trowel. It is also ideal for use as a resin for coving application. A key advantage of Rhinofloor SF Premium is that it is relatively odour free during application. Small areas may be coated by brush. Exceeding recommended application rate of 4-6 sq.mt. / litre will cause "Pull-back" problems – Contact technical department for further information.
- **Roller**                      nap size.....5 - 15mm (Micro-Fibre / Lambswool / Mohair) recommended
- **No. of coats**.....Two recommended – A 3<sup>rd</sup> coat may be required on very porous substrates
- **Thinning / Cleaning solvent** .....T3 Epoxy Thinner or T7 Xylene or T13 Methylated Spirits

## Caution:

Must not be applied over damp surfaces. Do not apply when the air / surface temperature is below, or is likely to fall below 10°C, the air / surface temperature exceeds, or is likely to exceed 30°C, or relative humidity exceeds, or is likely to exceed 85%. Substrate temperature must be at least 3°C greater than the dewpoint at the time of application. Freshly applied coatings should be protected from chemicals, liquids, fluids, oils, solvents, thinners, damp, condensation and water for at least 7 days @ 25°C. Please refer Wagon Paints technical department for further information.

## Maintenance

- The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of "Rhinofloor SF Premium" can be carried out using a mop, brush, or automatic rotary buffing / scrubbing machine, in unison with a mild alkaline detergent. Please refer Wagon Paints technical department for further information.

## Safety precautions

- **Refer to the relevant Material Safety Data Sheets for Pack A and Pack B**
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles

**Pack A**  
**Pack B**

**Packaging Group N/A**  
**Packaging Group III**

**UN No. N/A**  
**UN No. 2735**

# Rhinofloor® SF Premium

## Pack sizes

Pack size	27 litre kit
Pack A	17 litre
Pack B	10 litre

## Test Certificates

- |                        |   |
|------------------------|---|
| ▪ AS / NZS 4586–2013   | Slip resistance classification of new pedestrian surface materials – Appendix 'A' |
| ▪ AS / NZS 4586–2013   | Slip resistance classification of new pedestrian surface materials – Appendix 'B' |
| ▪ AS / NZS 4586–2013   | Slip resistance classification of new pedestrian surface materials – Appendix 'D' |
| ▪ AS / NZS 1530.3–1999 | Early fire hazard guidance testing  |
| ▪ ASTM 695M-91         | Compression and wear characteristics testing                                      |

## Anti-slip Characteristics

The Rhinofloor® SF Premium product has been evaluated for pedestrian slip by a third party, Advanced Technology Testing & Research (ATTAR) against:

- AS/NZS 4586 : Slip Resistance Classification of New Pedestrian Surface Materials – Appendix B (Dry Floor Friction Test)

The Coating system (Rhinofloor® SF Premium) passed the requirements of the standard for "Dry Floor Friction Test" and accordingly is classified as:

- DRY = D1

If specification / contract document states that a floor must conform to a particular Australian Standard for slip resistance, then an aggregate must be added into the Rhinofloor flooring system to impart the required non-slip "R-Ramp" rating. Please refer to Rhinofloor Technical Representative for further information.

Wagon Paints Australia, incorporating Rhinofloor Coatings, does not warrant the "Anti-slip" performance of the coating system(s), with or without aggregate, as this characteristic is out of our control. It is up to the applicator / contractor / purchaser to satisfy any "Anti-slip" regulations or standards required if applied to areas which may be hazardous to pedestrian or vehicular traffic.

This product must be applied by an applicator approved by Wagon Paints.  
For a list of approved applicators, please contact:

### ***Cameron O'Donnell***

Technical Representative  
Heavy Duty Industrial & Flooring Products  
Wagon Paints Australia Pty Ltd  
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## Water Spotting

When curing under conditions of low temperatures and / or high humidity, exposure to water may cause the surface of the cured epoxy to discolour. This water sensitivity will eventually disappear, dependant on ambient conditions. The use of Rhinofloor SF Premium RAPID will attenuate this spotting problem, but can only be used as per recommendation of Wagon Paints Technical department.

The 'Rhinofloor' floor-coating range has been designed / manufactured primarily to protect the concrete substrate. Please be aware that scratching, marring, colour-fading, gloss reduction, etc, will be evident, with the rate of film attack directly related to service conditions within the areas that these coatings have been applied. Wagon Paints, incorporating Rhinofloor Coatings, take no responsibility for film attack as mentioned, as these issues are a known fact inherent to all industrial epoxy and polyurethane floor coatings.

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either the quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product, as well as the data sheet, without notice.

Authorised: A. De Mello, Sales Manager

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These technical data and recommendations are based on tests and information believed to be accurate at the time of printing.  
They should not be construed as containing any warranty, either expressed or implied.  
Users should conduct their own tests to determine final suitability of this product.

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