



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 and warehouse floors
- Food processing plants and commercial kitchens
- Exhibition and retail showrooms
- **This is an industrial grade product and is not recommended for use in domestic situations**

How To Specify

- The flooring system shall be "RhinoFloor 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 (will chalk and yellow on prolonged exterior exposure, however film integrity is not compromised)
- Solvent resistance Good
- Chemical resistance Excellent (mineral / vegetable oils; fats)
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)
200 - 250 microns (wet)
- Theoretical coverage..... 4 - 5m² / L @ 200 microns dry film thickness
- Light traffic..... 24 hours
- Light mechanical loading..... 2 - 4 days (Premature loading may cause coating damage / failure)
- Full cure..... 7 days
- Recoating..... within 24 hours to ensure good intercoat adhesion
after 24 hours, sanding is required before recoating
- Pot life..... 20 - 30 minutes
- Gloss..... Gloss
- Colour..... Clear and range available - (Subject to minimum order requirement)
- Shelf life..... minimum 12 months (in cool, dry conditions)

Rhinofloor[®] SF Premium

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.

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.

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
- Thinning is not recommended.

Thinning

- Solvent must not be added to Rhinofloor SF Premium under any circumstances, unless agreed in writing by Wagon Paints technical department for job or site specific applications. Most common solvents, including Acetone and Methylated Spirits, will be detrimental to the curing, structural integrity and intercoat adhesion characteristics of the specified Rhinofloor epoxy resin system.

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 4-5 sq.mt. / litre will cause "Pull-back" problems – Contact technical department for further information.
- **Roller** nap size..... 5 – 20mm (Applicator preference)
- **No. of coats**..... Two recommended – A 3rd coat may be required on very porous substrates
- **Cleaning solvent** T3 Epoxy Thinner

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.

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

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|---------------|----------------------------|--------------------|
| Pack A | Packaging Group N/A | UN No. N/A |
| Pack B | Packaging Group III | UN No. 2735 |

Rhinofloor® SF Premium

Pack sizes

| Pack size | 27 litre kit* |
|-----------|---------------|
| Pack A | 17 litre |
| Pack B | 10 litre |

*Colour availability may be subject to minimum order requirement

Test Certificates

- AS / NZS 4586–2004 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

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 rating.

Please refer to Wagon Paints technical department for further information.

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

Mr. Cameron O'Donnell
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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 Rhino 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.

Authorised: A. De Mello, Sales Manager

June 2008

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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