



Rhinofloor[®] SL

2K self-levelling epoxy for industrial floors

7400 - line

Description

- 2-pack epoxy self-levelling floor coating

Properties

- Advanced solvent-free epoxy resin system
- Smooth impervious surface for easy cleaning and hygiene
- Excellent resistance to chemicals and abrasion
- Low odour during application

Typical Applications

- Showrooms
- Medical facilities / Laboratories / Clean rooms
- Food processing plants and commercial kitchens
- **This is an industrial grade product and is not recommended for use in domestic situations**

How To Specify

- The flooring system shall be "RhinoFloor SL" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'Application' section for substrate priming prior to application of RhinoFloor SL
- The colour shall be

General Data

- Weather resistance Good (will chalk and yellow on prolonged exterior exposure, however film integrity is not compromised)
- Solvent resistance Excellent to all common solvents
- Chemical resistance Excellent (mineral / vegetable oils; fats)
Very good (dilute acids / alkalis; salt solutions)
- Abrasion resistance Excellent

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

- Resin type.....Epoxy / polyamine
- Mixing ratio..... see below
- Solids content..... 100% (by volume)
- Typical film thickness (per coat)..... 2000 - 3000 microns (dry)
2000 - 3000 microns (wet)
- Theoretical coverage..... 1m² / L @ 1 mm dry film thickness
- Light traffic..... 12 - 24 hours
- Light mechanical loading..... 2 days
- 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 (depending on temperature)
- Gloss..... Gloss
- Colour..... range available – Refer technical department for details
- Shelf life..... minimum 12 months (in cool, dry conditions)

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Surface Preparation

- All concrete surfaces to be coated must be in sound, stable condition, with moisture content not greater than 5.5%. 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 'Primer' coat of Rhinofloor SF Premium.

Thinning

- Solvent must **not** be added to Rhinofloor SL under any circumstances. Most common solvents, including Acetone and Methylated Spirits, will be detrimental to the curing, structural integrity and intercoat adhesion characteristics of the specified Rhinofloor SL epoxy resin system.

Mixing recommendation

- Mix only the quantity required for 20 -30 minutes use
- Mix full kit of Packs A, B, C and D
- Add Colour Pack C to Pack A and mix thoroughly. Then add Pack B, then Filler Pack D
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Thinning is not recommended.

Application

- Priming** Apply one coat of Rhinofloor SF Premium Clear at the rate of 4 - 6 m² per litre
- Trowelling**..... The mixed material should be applied onto the already prepared and primed floor using a notched trowel to a typical thickness of 2-3 mm. The surface must be spike rolled 10 minutes after trowelling to remove any entrapped air
- No. of coats**..... One
- 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 SL" 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 | Packaging Group N/A | UN No. N/A |
| Pack B | Packaging Group III | UN No. 2735 |
| Pack C | Packaging Group N/A | UN No. N/A |
| Pack D | Packaging Group N/A | UN No. N/A |

Rhinofloor® SL

Pack sizes

| Pack size | Product | 20 litre kit* |
|-----------|--------------|---------------|
| Pack A | Resin | 8 litre |
| Pack B | Hardener | 5 litre |
| Pack C | Colour paste | 1.20 kg |
| Pack D | Filler | 15 kg |

*Colour availability may be subject to minimum order requirement

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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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

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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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