



Rhinofloor[®] HS

2K high solids epoxy for industrial floors

7300 - line

Description

- 2-pack epoxy interior floor coating

Properties

- Excellent abrasion and wear resistance
- Easy roll-on application
- Easily cleaned and maintained

Typical Applications

- Commercial carparks
- Factory and warehouse floors
- 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 HS" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'General Data' for substrate priming prior to application of RhinoFloor HS
- 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 | Recommended for interior use only |
| ▪ Solvent resistance | Resists splashes of most common solvents; not recommended for continuous immersion |
| ▪ Chemical resistance | Good |
| ▪ Abrasion resistance | Excellent |

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

- Resin type.....Epoxy / polyamine
- Mixing ratio.....3 : 1 (by volume)
- Solids content..... 90% (by volume)
- Typical film thickness (per coat)..... 160 - 180 microns (dry)
180 - 220 microns (wet)
- Theoretical coverage..... 5 - 7m² / L @ 180 microns dry film thickness (dependant on colour)
- Light traffic..... 24 hours
- Full cure..... 7 days
- Recoating..... within 24 hours to ensure good intercoat adhesion
after 24 hours, sanding is required before recoating
- Pot life..... 2 hours (depending on temperature and level of thinner added)
- Gloss..... Gloss
- Colour..... range of standard colours – (Subject to minimum order requirement)
- 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 first coat of Rhinofloor HS. Alternatively, acid etch with a 10% solution of Phosphoric Acid or Hydrochloric Acid in water as a minimum preparatory technique.

Mixing recommendation

- Mix only the quantity required for 30-45 minutes use
- Mix Pack A with Pack B in the ratio 3:1 (by volume)
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Allow mixture to stand for 10 minutes in warm conditions, and up to 30 minutes in cool conditions, prior to application
- Thinning is not normally required. Thin up to 5% with Wagon Paints T3 Epoxy Thinner if necessary. Refer technical department for further information

Application

- Recommended for application by roller
- Small areas may be coated by brush
- **Roller** nap size..... 5 - 10mm
- **No. of coats**.....Two
- **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 HS" 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**
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

Pack A	Packaging Group III	UN No. 1263
Pack B	Packaging Group III	UN No. 2735

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Pack sizes

Pack size	4 litre kit*	20 litre kit*
Pack A	3 litre	15 litre
Pack B	1 litre	5 litre

*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 Rhinamel flooring system to impart the required non-slip rating.

Please refer to Wagon Paints technical department for further information.

For further technical information, please contact:

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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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