Rhinamel® Clear Sealer

Industrial epoxy surface coating

7000 - line

Description

- 2-pack epoxy / polyamide sealer and finish coat

Properties

- Tough, durable surface
- High corrosion, chemical and abrasion resistance
- Low viscosity for easy penetration

Typical Applications

- Concrete floors

General Data

- Weather resistance: Good
  Note – Product will chalk and discolour on exposure to both U.V. & 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 Rhinamel® Clear Sealer is specified for areas exposed to climatic conditions as per mentioned above. Please refer Wagon Paints Technical Department for further information.
- Solvent resistance: Good
- Chemical resistance:

Fats & Oils	Excellent*
Alkalis, dilute	Excellent*
Acids, dilute	Good*

  Note – Product may stain / discolour on exposure to certain chemicals, and on contact with certain vehicular tyres. Please refer Wagon Paints Technical Department for further information.*
- Abrasion resistance: Excellent
- Recommended topcoats: Rhinamel®, Rhinamel® Supergrip, Rhinofloor® SF Premium, Rhinofloor® HBE, Rhinothane T Rollgrade, Rhinofloor AG

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

- Resin type……Epoxy / polyamide
- Mixing ratio……..…3 : 1 (by volume)
- Solids content……..36% (by volume)
- Typical film thickness (per coat)…….. not applicable, as mostly absorbed into surface
- Theoretical coverage…… 8 - 12 m^2 / L
- Touch dry……..2 - 3 hours
- Hard dry…… 16 hours
- Light pedestrian traffic…… 24 hours
- Light mechanical loading…… 2 – 4 days (Premature loading may cause coating damage / failure)
- Full cure…… 7 days (will not cure at temperatures below 10°C)
- Recoating…….. within 16 - 24 hours to ensure good intercoat adhesion
  after 24 hours, thorough mechanical abrasion required before recoating
- Pot life……..4 - 8 hours (depending on temperature and level of thinner added)
- Gloss……..Gloss
- Colour……Clear
- Shelf life…… minimum 12 months (in cool, dry conditions)

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Surface Preparation

- **Concrete** must be cured for a minimum of 28 days. Remove all traces of curing membrane, release agents, oil and grease. Acid etch with a 10% solution of Phosphoric Acid or Hydrochloric Acid in water. (Alternatively, shotblast or diamond grind to remove surface laitance) Allow concrete to dry thoroughly, then seal with one or two coats of Rhinamel® Clear Sealer. Moisture level of concrete to be less than 5.5%.

- **Timber** must be clean and free of dust. Sand with medium grade paper. Moisture content must be less than 10%

- **Note** '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 (Ie. Scabbling / Shot-blasting / Diamond-grinding) to permit maximum adhesion characteristics of the system as specified. 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 "Rhinamel Clear Sealer" 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.

Mixing recommendation

- Mix only the quantity required for the job
- 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. Then, gently re-stir the mix after standing prior to applying to floor.
- Thin up to 25% (first coat only) by volume with Wagon Paints T3 Epoxy Thinner (see Application directions), and stir as above
- An epoxy accelerator is also available for use in the Rhinamel floor coating system. Please note that these epoxy accelerators are only to be used in the cooler months of the year. The use of these epoxy accelerators may also cause some darkening / yellowing, and a reduction in gloss level, in some colours / shades.

Application

- May be applied using roller, or conventional air spray equipment (Refer OH&S requirements)
- Small areas may be coated by brush
- 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.

- **Roller** nap size……5 – 15 mm (Microfibre - Applicator preference)
  volume of thinner……Up to 25%
- **Air Spray** nozzle size……1.8 - 2.2 mm
  nozzle pressure……45 - 60 psi (300 - 400kPa)
  volume of thinner……10 - 20%

- **No. of Coats**……One or two for sealing of concrete and timber

- **Cleaning solvent** …… T3 Epoxy Thinner

Safety precautions

- **Refer to the relevant Safety Data Sheets (SDS) 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** II	**UN No.** 1866

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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

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.

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.

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.

For all enquiries please contact:

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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.

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.

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