



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 (will chalk and yellow on prolonged exterior exposure, however film integrity is not compromised)
- Solvent resistance Good
- Chemical resistance
 - Fats & Oils Excellent
 - Alkalis, dilute Excellent
 - Acids, dilute Good
- Abrasion resistance Excellent
- Recommended topcoats Rhinamel[®], Rhinamel[®] Supergrip, Rhinofloor[®] SF Premium, Rhinofloor[®] HS

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 m² / L
- Touch dry..... 2 - 3 hours
- Hard dry..... 24 hours
- Full cure..... 7 days (will not cure at temperatures below 10°C)
- Overcoating..... within 12 - 36 hours to ensure good intercoat adhesion
- 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%

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
- Thin up to 25% (first coat only) by volume with Wagon Paints T3 Epoxy Thinner (see Application directions), and stir as above

Application

- May be applied using roller, or conventional air spray equipment
- Small areas may be coated by brush
- **Roller** short nap..... 5 - 10 mm
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 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. 1263

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Pack sizes

Pack size	1 litre kit	4 litre kit	20 litre kit
Pack A	750 ml	3 litre	15 litre
Pack B	250 ml	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 Rhinamel flooring system to impart the required non-slip rating.

Please refer to Wagon Paints technical department for further information.

The 'Rhino' 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.

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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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