



Rhinamel[®] Supergrip

Textured epoxy surface coating

7200 - line

Description

- 2-pack epoxy / polyamide finish coat with texture profile for added grip

Properties

- Tough, durable surface
- Textured surface increases slip resistance
- High corrosion, chemical and abrasion resistance
- Desirable grip vs slip characteristics for roller skating

Typical Applications

- Roller skating rinks
- Factory floors, amenities blocks, plant rooms
- Stairs, walkways

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*
*may cause discolouration of some colours
- Abrasion resistance Excellent
- Recommended primers Rhinamel[®] Clear Sealer, Rhinamel[®] Supergrip

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

- Resin type.....Epoxy / polyamide
- Mixing ratio..... 3 : 1 (by volume)
- Solids content..... 55% (by volume)
- Typical film thickness (per coat)..... 50 microns (dry)
100 microns (wet)
- Theoretical coverage..... 8 - 10m² / L @ 50 microns dry film thickness
- 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..... Matt
- Colour..... Range of colours available – (Subject to minimum order requirement)
- Shelf life..... minimum 12 months (in cool, dry conditions)

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Surface Preparation

- **Steel** surfaces must be degreased, then subjected to abrasive blasting (to AS 1627.4 Class 2½) or abrasion with a suitable power cleaning tool (e.g. disc sander). Apply Rhinamel[®] Supergrip before flash rusting occurs.
- **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 coat of Rhinamel[®] Clear Sealer, or pre-thinned Rhinamel[®] Supergrip colour – Refer technical department for further information. (Moisture content not higher than 5.5%).
- **Timber**, sand and dust down, all traces of previous coatings should be removed. Not recommended for softer timbers, e.g. pine, cedar, etc. Timber should be well seasoned and of <10% moisture content prior to coating.
- **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 (i.e. Scabbling / Shot-blasting / Diamond-grinding) to permit maximum adhesion characteristics of the system as specified. Please refer Wagon Paints Technical Department for further information.
- **Note** - This product can be applied over a wide range of well-adhered aged 2-pack coatings, subject to the application & verification of a test-patch, and with suitable mechanical preparation of the surface where necessary. Please refer to 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, then stir gently prior to application.
- Thin as required (5-10%) with Wagon Paints T3 Epoxy Thinner (see Application directions), and stir as above.
- If thinned, stir mixture periodically to prevent settling of the filler.
- 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

- Recommended for application by roller, using roller-tray, or by pouring mixed product onto the substrate.
- If pouring the product onto the substrate, the use of a "Squeegee" is highly recommended, followed by "Back-rolling" to obtain a more even uniform finish.
- 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.....5-10% if required and/or to first coat to aid penetration into substrate
- **No. of Coats**.....Two - Additional basecoat may be necessary if substrate highly porous
- **Cleaning / Thinning solvent**T3 Epoxy Thinner

Maintenance

The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of "Rhinamel[®] Supergrip" 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 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

*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.

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:

Technical Department
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Authorised: J. Skangos - Technical Manager August 2023

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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