



# Rhicryl<sup>®</sup> Non-Slip

Slip-resistant acrylic floor coating

1500 - line

## Description

- Solvent-based acrylic topcoat, with anti-slip properties (for **FOOT TRAFFIC** only)

## Properties

- Fast drying
- Slip-resistance for foot traffic
- Non-yellowing film
- Resistant to water and alkaline solutions

## Typical Applications

- Finishing concrete floors, bricks and masonry
- The Rhicryl<sup>®</sup> Non-slip product is **NOT** suitable for application to 'Terracotta' or 'Slate' roof and floor tiles

## General Data

- |                       |   |
|-----------------------|---|
| ▪ Weather resistance  | Excellent   |
| ▪ Water resistance    | Very good   |
| ▪ Solvent resistance  | Generally poor  |
| ▪ Chemical resistance | Mineral fats & oils.....Very good<br>Alkalis (dilute).....Excellent |
| ▪ Abrasion resistance | Good  |

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

- Resin type..... Acrylic copolymer
- Typical solids content..... 35 - 40% (by volume - colour dependent)
- Typical film thickness (per coat)..... 45 - 60 microns (dry)  
125 - 165 microns (wet)
- Theoretical coverage..... 6 - 8m<sup>2</sup> / L @ 45 microns dry film thickness (dependant on colour)
- Touch dry..... 30 minutes
- Hard dry..... 4 - 6 hours
- Trafficable..... Pedestrian traffic (4 - 6 hours) / Vehicular traffic (5 - 7 days)
- Recoating..... 4 - 6 hours
- Gloss..... Low to Full Gloss (Subject to: Film Thickness / Substrate Porosity)
- Colours..... Range available (Subject to minimum order requirement)
- Shelf life..... minimum 12 months (in cool, dry conditions)

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## Surface Preparation

- **New Concrete** must be cured for a minimum of 28 days. High-pressure waterblast (3000 psi) the substrate, in conjunction with a mild alkaline detergent, to 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, then high-pressure waterblast (3000 psi) to remove residual acidity. (Alternatively, shotblast or diamond grind to remove surface laitance). Allow concrete to dry thoroughly before applying the Rhicryl<sup>®</sup> product. '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 RHINOFLOOR Technical Representative for further information.
- **Existing Concrete** must be suitably cleaned to remove traces of any substance which could affect adhesion of the Rhicryl<sup>®</sup> product. Eg. Paint, mildew mould, algae, oil and grease. (Mechanical abrasion of the substrate may be required to perform this 'cleaning' function with regard to existing coatings). High-pressure waterblast (3000 psi) the substrate, in conjunction with a mild alkaline detergent, to 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, then high-pressure waterblast (3000 psi) to remove residual acidity. (Alternatively, shotblast or diamond grind to remove surface laitance, existing coatings, etc). Allow concrete to dry thoroughly before applying the Rhicryl<sup>®</sup> product. '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 RHINOFLOOR Technical Representative for further information.
- **Moisture testing** can be performed by placing a piece of plastic over a small area, tape down the edges and leave for 1 hour. Then, remove plastic, and if there is no moisture on either surface, the concrete should be sufficiently dry for coating application.

## Mixing recommendation

- This product is only suitable for foot traffic in domestic situations, and should not be used where vehicular or hard-wheeled commercial or industrial traffic is prevalent.
- Mix the entire contents of the can before decanting
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Additive for non-slip properties must be added to pail and stirred mechanically for at least 5 minutes prior to application.

Quantity = 250gm (RhinoFloor<sup>®</sup> (1K) non-slip additive) / 20L (Paint)

- The slip-resistant finish will wear with time, therefore it is advisable that periodic maintenance of the non-slip surface be undertaken.
- Apply the Rhicryl<sup>®</sup> sealer as thinly as possible, as 'thicker' coats, especially applied during the warmer months, can cause bubbles to appear. If bubbling occurs, or substrate porosity is problematic, reduce with T7 thinners up to 50%. Please refer RHINOFLOOR Technical Representative for further information.

## Application

- Apply using short to medium nap roller
- "Broom" application is recommended for "uneven / stenciled / impression" substrates
- Small areas may be coated by brush
- **Roller**                      nap size..... 5 – 10 mm (Mohair or Microfibre - Applicator preference)
- **No of coats**..... 1 – 3 (depending on porosity of substrate)
- **Thinner / Cleaning solvent** ..... T7 Thinner

## Safety precautions

- **Refer to the relevant Material Safety Data Sheet**
- 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

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## Maintenance

The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of “Rhicryl<sup>®</sup> Non-slip” can be carried out using a mop or brush, in unison with a mild alkaline detergent. Please refer Wagon Paints technical department for further information.

## Anti-slip Characteristics

Please refer to “Mixing Recommendations” and your local RHINOFLOOR Technical Representative for further information regarding the addition of ‘Anti-slip’ additive for non-slip characteristics. This product is only suitable for foot traffic, and should not be used where vehicular or hard-wheeled traffic is prevalent.

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 traffic.

## Pack sizes

Pack size	20 litre*
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\*Only available in 20lt pails – Refer RHINOFLOOR Technical Representative for further details.

Do not mix RHICRYL<sup>®</sup> Clear with RHICRYL<sup>®</sup> pigmented products, as there may be issues with resin compatibility. Refer to Wagon Paints’ Technical department for further information.

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 floor coatings.

Your local RHINOFLOOR Technical Representative is:

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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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