



Rhinaqua™

Water-based epoxy surface coating

7025 - line

Description

- 2-pack water-based epoxy floor coating

Properties

- Tough, durable surface
- High corrosion, chemical and abrasion resistance
- No solvent odour
- Safe to use and better for the environment

Typical Applications

- Workshop and warehouse floors
- Food preparation areas
- Commercial carparks

How To Specify

- The flooring system shall be "Rhinaqua" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'General Data' for substrate priming prior to application of Rhinaqua
- 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 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
- Suitable primers Rhinaqua

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

- Resin type..... Modified epoxy / water-soluble polyamide
- Mixing ratio..... 4 : 1 (by volume)
- Solids content..... 23 - 25% (by volume)
- Typical film thickness (per coat)..... 20 - 30 microns (dry)
80 - 120 microns (wet)
- Theoretical coverage..... 8 - 10m² / L @ 25 microns dry film thickness
- Touch dry..... 1 - 2 hours
- Hard dry..... 4 - 5 hours
- Full cure..... 7 days (will not cure at temperatures below 10°C)
- Recoating..... After 5 hours
within 24 hours to ensure good intercoat adhesion
after 24 hours, sanding is required
- Pot life..... 2 - 3 hours (temperature dependent)
- Gloss..... Satin
- Colour..... Available in Clear / Colours are subject to minimum order of 300 litres
- 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) Moisture level of concrete must not exceed 5.5% prior to application

Mixing recommendation

- Mix only the quantity required for the job
- Mix Pack A with Pack B in the ratio 4:1 (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 with water, if needed, for absorbent surfaces – Please refer technical department prior to thinning this product for application

Application

- May be applied using roller
- Small areas may be coated by brush
- **Roller** short nap.....5 - 10 mm
- **No. of Coats**..... Two (*Third coat may be necessary if substrate porosity is an issue*)
- **Cleaning solvent** Water

Maintenance

The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of “Rhinaqua” 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**
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles

This product is NOT classified as dangerous goods by the criteria of the Australian Dangerous Goods Code (AOG Code), for transport by road or rail.

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Pack sizes

Pack size	18 litre kit*
Pack A	14.4 litre
Pack B	3.6 litre

*Available in Clear and Colours

– Colours can be 'made to order', but minimum order quantity of 300 mixed litres is required

Anti-slip Characteristics

Addition of slip-resistant additive to the 'Rhinaqua' industrial flooring system is NOT recommended
Refer 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 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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