



Rhinoscreed®

2K filled epoxy for industrial floors

7310 - line

Description

- 2-pack epoxy resin system for mixing with washed (Kiln-dried) aggregate / sand in “Screeding” & “Coving” applications

Properties

- Advanced solvent-free epoxy resin system
- Excellent resistance to chemicals and abrasion
- Low odour during application

Typical Applications

- Levelling of uneven concrete floors
- Sloping floors to provide run-off to drainage
- Coving applications
- Sound substrate for subsequent application of RHINOFLOOR industrial floor coating systems
- **This is an industrial grade product and is not recommended for use in domestic situations**

How To Specify

- The flooring system shall be “Rhinoscreed” as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer ‘Application’ section for substrate priming prior to application of Rhinoscreed
- 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 Excellent to all common solvents
- Chemical resistance Excellent (mineral / vegetable oils; fats)
Very good (dilute acids / alkalis; salt solutions)*
**may cause discolouration on some colours*
- Abrasion resistance Excellent

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

- Resin type.....Epoxy / polyamine
- Mixing ratio.....2:1 (by volume) – Refer ‘Calculations’ section
- Solids content..... 100% (by volume)
- Typical film thickness (per coat)..... Specification / application specific (Typically 3–5mm)
- Theoretical coverage..... 1m² / L of resin / filler mix @ 1 mm dry film thickness
- Light traffic..... 12 - 24 hours
- Light mechanical loading..... 2 days
- Full cure..... 7 days
- Recoating..... within 16 - 24 hours to ensure good intercoat adhesion
after 24 hours, thorough mechanical abrasion required before recoating
- Pot life..... 1 hour (depending on temperature)
- Gloss..... Gloss
- Colour..... Clear
- Shelf life..... minimum 12 months (in cool, dry conditions)
- Shore ‘D’ Hardness..... 80

Rhinoscreed®

Surface Preparation

- All concrete surfaces to be coated must be in sound, stable condition, with moisture content not greater than 5.5%. Any traces of oil, grease or other contaminants must be completely removed by detergent wash. All excess water to be mopped up and concrete allowed to thoroughly dry. All surfaces to be coated must be captive shot blasted to a profile similar to that of 80 grit sandpaper. Care must be taken to ensure that all existing curing compounds/agents, loose or flaky material and laitance are completely removed. Diamond grind all areas that are inaccessible to shot blast machine. All surfaces to be coated should be vacuum cleaned to remove dust and other loose particles immediately prior to application of the "scratch" coat. Concrete may be acid etched using a 10% solution of Phosphoric Acid as an alternative to grinding or shot-blasting – Refer Wagon Paints Technical Department for further information.

Mixing recommendation

- Mix only the quantity required for 20-30 minutes use
- Mix Pack A with Pack B in the ratio 2:1 by volume
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Thinning is not recommended.

Thinning

- Solvent must not be added to Rhinoscreed under any circumstances. Most common solvents, including Acetone and Methylated Spirits, will be detrimental to the curing, structural integrity and intercoat adhesion characteristics of the specified Rhinofloor epoxy resin system.

Application

- **Priming**Apply one coat of Rhinoscreed using a medium nap roller / brush
- **Finish**..... Apply resin / filler mix by screed board, and finish with a steel trowel or curved coving trowel.
- **No. of coats**.....One – Dry film thickness will be specification / application specific
- **Cleaning solvent** T3 Epoxy Thinner

Caution: Must not be applied over damp surfaces. Do not apply when the air/surface temperatures are below, or are likely to fall below, 10°C. 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.

Safety precautions

- Refer to the relevant Safety Data Sheets (SDS) for Pack A and Pack B
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles

Pack A Packaging Group N/A UN No. N/A
Pack B Packaging Group III UN No. 2735

Pack sizes

Pack size	3 litre kit	30 litre kit	60 litre kit (Plastic cubers)	600 litre kit
Pack A	2 litre	20 litre	2 x 20 litre	2 x 200 litre
Pack B	1 litre	10 litre	1 x 20 litre	1 x 200 litre

Rhinoscreed®

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.

This product must be applied by an applicator approved by Wagon Paints Australia Pty. Ltd.

Calculations for addition of aggregate for screeding resin systems

An average mix ratio for this particular system would be **1 part** (by volume) mixed resin to **4 parts** (by volume) aggregate. The aggregate is made up from a mix of **2 parts** (by volume) 30/60 sand and **2 parts** (by volume) 8/16 sand. (The aggregate / sand MUST be washed / kiln dried / dust free)

** However, this ratio will vary in relation to job specifications, applicator preference, etc. **

The calculations below for working out quantities required for particular areas are based on this ratio (4:1).

E.g.	<u>Area of 10m² which requires a fall of 100mm to 0mm</u>	<u>Area of 10m² which requires 5mm D.F.T.</u>
Requires	50 x 25kg bags of aggregate / sand 150 mixed litres RHINOSCREED resin	6 x 25kg bags of aggregate / sand 15 mixed litres RHINOSCREED resin

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
Wagon Paints Australia Pty. Ltd.
(Incorporating RHINOFLOOR Coatings)
Member of TRANSOCEAN COATINGS Group

B/H (+61 3) 9729 1344

Email technical@wagonpaints.com.au

Web www.wagonpaints.com.au



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.



5 Stephenson Road, Bayswater North, Victoria 3153 Australia
Phone: 61 3 97291344 Email: sales@wagonpaints.com.au