



Rhinofloor[®] HBE

3K solvent-free epoxy for industrial floors

Description

- 3-pack solvent-free epoxy floor coating available in both 'Texture' and 'Flow' varieties
- 'Texture' – Provides a slight stipple effect to the aesthetic properties of the coating (Industrial applications)
- 'Flow' – Provides a smoother / glossier effect to the aesthetic properties of the coating (Retail / Commercial & Industrial applications)

Properties

- Excellent abrasion and wear resistance
- Seamless chemical-resistant surface
- Low odour during application
- Can be applied to suitably prepared horizontal & vertical surfaces (Refer 'Mixing' recommendations)
- Can be applied as a non-slip protective coating when used in conjunction with appropriate anti-slip aggregates

Typical Applications

- Commercial Carparks
- Factory, Workshop and Warehouse floors
- Aircraft maintenance hangars
- Food processing plants and Commercial kitchens
- Training rooms / Exhibition & Demonstration areas & Retail showrooms
- Washrooms and Amenities blocks
- Plantrooms / Store rooms & 'Back of house' areas
- **This is an industrial grade product and is not recommended for use in domestic situations**

How To Specify

- The flooring system shall be "RhinoFloor[®] HBE" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'Application' section for substrate priming prior to application of RhinoFloor[®] HBE
- 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
Note – Product will chalk and discolour on exposure to both U.V. & artificial light sources, and some particular chemicals, however film integrity is not compromised. The application of UV-stable RhinoFloor[®] Polyurethane topcoats are highly recommended if the RhinoFloor[®] HBE system is specified for areas exposed to climatic conditions as per mentioned above. Severity of film discolouration is also subject to shade of colour selected, with white and light to mid grey tones most affected. Please refer RHINOFLOOR Technical Representative for further information.
- Solvent resistance Good
- Chemical resistance Excellent (mineral / vegetable oils; fats)
Very good (dilute acids / alkalis; salt solutions; brake fluid; engine coolant; skydrol)
- Abrasion resistance Excellent

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

- Resin type..... Epoxy / Polyamine
- Mixing ratio..... 2 : 1 : 0.2 (A : B : C / by volume) (Refer "Mixing recommendations" on following page)
- Solids content..... 100% (by volume)
- Typical film thickness (per coat)..... 200 - 250 microns (dry) (Unthinned)
200 - 250 microns (wet) (Unthinned)
- Theoretical coverage..... 4 - 5m² / L @ 200 - 250 microns dry film thickness (Unthinned)
5 - 6m² / L @ 165 - 200 microns dry film thickness (Thinned)
- Light pedestrian traffic..... 24 hours
- Light vehicular traffic..... 72 hours (Premature heavy / excessive traffic may cause coating damage / failure)
- 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..... 25 - 40 minutes (Will be considerably reduced if RAPID hardener selected in mix)
- Gloss..... Gloss (Refer "General Data" above for restrictions of use)
- Colour..... RhinoFloor[®] colour range (Not available in clear – Refer RhinoFloor SF Premium)
(Alternate colours available subject to minimum order requirement)
- Shelf life..... maximum 12 months (in cool, dry conditions)

Rhinofloor® HBE

Maintenance

- The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of "Rhinofloor® HBE" can be carried out using a mop, brush, or automatic rotary buffing / scrubbing machine, in unison with a mild alkaline detergent. Please contact your RHINOFLOOR Technical Representative for further information.

Safety precautions

- Refer to the relevant Safety Data Sheets (SDS) for Pack A, Pack B and Pack C
- 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 C	Packaging Group N/A	UN No. N/A

Pack sizes

SLOW			FAST		
Pack size	Product	16 litre kit	Pack size	Product	16 litre kit
Pack A	Clear Base	10.00 litres	Pack A	Clear Base	10.00 litres
Pack B	Slow Hardener	5.00 litres	Pack B	Fast Hardener	5.00 litres
Pack C	Colour paste*	1.00 litres	Pack C	Colour paste*	1.00 litres

*Colour availability may be subject to minimum order requirement

Test Certificates

- AS / NZS 4586-2013 Slip resistance classification of new pedestrian surface materials – Appendix 'A'
- AS / NZS 4586-2013 Slip resistance classification of new pedestrian surface materials – Appendix 'B'
- AS / NZS 4586-2013 Slip resistance classification of new pedestrian surface materials – Appendix 'D'
- AS / NZS 1530.3-1999 Early Fire Hazard Properties
- AS ISO 9239.1-2003 Critical Radiant Flux

Anti-slip Characteristics

- Refer "Test Certificates" as per above

Caution

Must not be applied over damp surfaces.

Do not apply when the air / surface temperature is below, or is likely to fall below 10°C, the air / surface temperature exceeds, or is likely to exceed 30°C, or relative humidity exceeds, or is likely to exceed 85%. Substrate temperature must be at least 3°C greater than the dewpoint at the time of application. 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.

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 "R-Ramp" rating. Please refer to Rhinofloor Technical Representative 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.

Your local RHINOFLOOR Technical Representative is:

Cameron O'Donnell

Technical Representative
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The "Rhinofloor / Transocean" 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.

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.

Authorised: J. Skangos - Technical Manager August 2021

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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