Product Data Sheet

Transurethane Finish HB 3.44

(Flooring Grade)

Product Description

A two pack high solids polyurethane floor coating providing excellent gloss and colour retention characteristics, along with superior mechanical / abrasion resistance properties. The Transurethane Finish HB 3.44 (Flooring Grade) is recommended to be used as a U.V. stable protective topcoat, applied over the Transpoxy Masterbond 4.67N (Flooring Grade) epoxy floor coating system.

Physical Properties

Colour	AS 2700 colours (Australian Standard)
Texture	Gloss "Stipple" finish when roller applied
Volume Solids	58%
Specific Gravity	1.30 g/ml
VOC	387 g/litre
Flashpoint	>24℃
Resin type	Acrylic Urethane

General Data

Weather resistance	Excellent
Solvent resistance	Resists splashes of most common solvents (not recommended for continuous immersion)
Chemical resistance	Good (dilute acids / alkalis; dilute chemicals; oils; fluids; etc)
Abrasion resistance	Excellent

Typical Applications

- Factory & Warehouse floors
- Workshop floors
- Food processing & Commercial kitchens
- Washrooms & Amenities areas
- Plantrooms / Store rooms & 'Back of house' areas
- Demonstration areas & Training rooms
- **This is an industrial grade product and is not recommended for use in domestic situations**

How to Specify

- The flooring system shall be "Transurethane Finish HB 3.44 Flooring Grade" as supplied by Wagon Paints Australia Pty. Ltd.
- The colour shall be ……..
- The degree of non-slip to be similar to "Approved" sample, or to ramp rating classification of "R …."

Surface Preparation

All concrete surfaces to be coated must be in sound, stable condition, with moisture content not greater than 5%. New concrete substrates must be at least 28 days old prior to application of the Transpoxy Masterbond 4.67N Flooring Grade / Transurethane Finish HB 3.44 Flooring Grade system. The recommended preparatory method for the finishing of the concrete substrate, post-pouring, is either "Steel or Helicopter trowelled". 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 (note: Diamond grinding is generally a suitable alternative to shot blasting except where concrete substrate is highly burnished). Acid-etching can be used as a minimum preparation technique, however, we strongly recommend either blasting or grinding to ensure the substrate has been suitably prepared. Care must be taken to ensure that all existing curing compounds / agents, surface coatings, 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 first coat of the Transpoxy Masterbond 4.67N Flooring Grade / Transurethane Finish HB 3.44 Flooring Grade system.

Note – This system can be applied over a wide range of well-adhered aged coatings, subject to the application of a test-patch, and with suitable preparation of the surface where necessary. Please consult your local Rhinofloor / Transocean technical representative for further information.

Mixing Recommendation

- Mix only the quantity required for 20 – 30 minutes use
- Mix Pack A with Pack B using the recommended ratio (Refer 'Application data' below)
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing

Drying & Recoating timeframes

Substrate Temperature	Touch dry	Full cure	Minimum (dry to recoat)	Maximum (dry to recoat)
10℃	4 hours	10 days	18 hours	Indefinite**
23℃	1 hour	7 days	8 hours	Indefinite**
30℃	30 minutes	5 days	6 hours	Indefinite**

The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure it may be necessary to mechanically roughen the surface to ensure adequate intercoat adhesion.
Do not under any circumstances allow any fluid (Eg. Water, Oil, Solvent, Chemicals, etc.) to contaminate the coated surface until full cure is achieved. When in doubt, consult your Rhinofloor / Transocean technical representative for further information.

Walk-on / Drive-on times **(at 20℃ and 50% relative humidity)**

- Light foot traffic 24 hours
- Light mechanical loading 2 – 4 days (Premature loading may cause coating damage / failure)
- Full cure 5 – 7 days

Application Data

Mixing Ratio 5 : 1 (By volume – Base to Hardener)

Pot-life
(Standard hardener) 10℃ : 16 hours / 23℃ : 8 hours / 30℃ : 4 hours

Thinner / Cleaner Transocean Polyurethane Thinner 6.04
If thinning is necessary, this should be added after mixing of the two components.
Avoid excessive thinning as this will result in slower cure times.

Roller / Brush Multiple coats are required to achieve the specified dry film thickness (DFT)
Mohair / Lambswool rollers are recommended: nap size: 5 – 10 mm (Applicator preference)
Thin up to 10% (if required / necessary)
Aesthetic appearance - Rolling / brushing will exhibit a definite "Stipple-texture" finish

Airless Spray Pressure at nozzle: 120 – 150 bar Nozzle size: 0.35 – 0.43 mm
Spray angle: 40 – 80 degrees
Volume of thinner: 0 – 3%
Spraying is suitable but "Rolling" is recommended / preferred application method.

Conditions **This product 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 dew point at the time of application.

Recommended Paint System

	D.F.T.* per coat (µm)	W.F.T.* per coat (µm)	Theoretical spreading rate (m^2/l)
Range	40 - 100	70 - 175	14.3 – 5.7
Recommended	75 - 100	130 - 175	7.7 – 5.7

**D.F.T. – Dry Film Thickness / W.F.T. – Wet Film Thickness*

A typical system for atmospheric exposure is as follows:

Transpoxy Masterbond 4.67N Flooring Grade 2 x 150-200 um D.F.T.
Transurethane Finish HB 3.44 Flooring Grade 1–2 x 75-100um D.F.T.

This product is for industrial use only (Not for residential use)
Please consult your Rhinofloor / Transocean technical representative for further information.

Safety Precautions

Refer to the relevant Material Safety Data Sheets for Pack A and Pack B

Pack A	Packaging Group	III	DG Class 3	UN No. 1263
Pack B	Packaging Group	III	DG Class 3	UN No. 1263

Observe the precautionary notices on the label of the container. An MSDS is available upon request and national and local safety regulations should be followed. This product is intended for use by professional / experienced applicators. Avoid contact with skin and eyes – When mixing and applying wear suitable protective clothing / gloves / glasses / mask / etc. Spillage on the skin should be immediately removed by thorough washing with lukewarm water and soap or a suitable industrial cleaner. Eyes should be flushed with fresh water and medical attention sought immediately. Spraying should be carried out under well-ventilated conditions. Avoid inhalation of solvent vapours and paint mist by wearing an approved air mask. This product contains flammable materials and should be kept away from sparks, flame and sources of ignition. Smoking in the area of application / mixing / storage should not be permitted.

Pack Sizes

Pack Size	6 litre kit*	24 litre kit*
Pack A	5 litres	20 litres
Pack B	1 litre	4 litres

Your local RHINOFLOOR / TRANSOCEAN Technical Representative is:

Cameron O'Donnell

Technical Representative
Heavy Duty Industrial & Flooring Products
B (03) 9729 1344 I F (03) 9720 2179
M 0411 557 234 I E codonnell@wagonpaints.com.au

Wagon Paints Australia Pty. Ltd.
(Incorporating RHINOFLOOR Coatings)
Member of TRANSOCEAN COATINGS Group
PO Box 615 Bayswater Victoria 3153 AUSTRALIA

AUSTRALIAN MADE
AUSTRALIAN OWNED

Certified System
Quality
ISO 9001
SAI GLOBAL

Disclaimer

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 & Transocean 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.

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.